

Appendix B: Reservoir information

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Table B-1. BOR sampling of American Falls Reservoir, August 1995 to July 2003.

Table D-1: DCR sampling of American Falls Reservoir, August 1995 to July 2003																											
Date sampled	Repl- cate	Time sampled	NO ₃ +NO ₂ (mg/L)	Ortho P (mg/L)	Total P (mg/L)	NH ₃ (mg/L)	TKN (mg/L)	CO ₃ (mg/L)	HCO ₃ (mg/L)	SO ₄ (mg/L)	Cl (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	TDS SUM (mg/L)	SAR	SiO ₂ (mg/L)	Fecal (ct/100mL)	Strep (ct/100mL)	<i>E. coli</i> (ct/100mL)	Chl <i>a</i> (mg/L)	COD (mg/L)	TOC (mg/L)	SS (mg/L)	Lab pH (SU)	Turbidity (NTU)
American Falls Reservoir																											
8/14/1995		15:40	0.02	0.061	0.082	0.12	0.41	3.91	173	28	15.2	43.7	13.5	16.1	2.7	229	0.5	16.8	< 1	< 1		0.0072	13	3.3	2		1
8/14/1995		15:42																									
8/14/1995		15:44																									
8/14/1995		15:46																									
8/14/1995		15:48																									
8/14/1995		15:50																									
8/14/1995		15:53																									
8/14/1995		15:55																									
8/14/1995		15:57																									
8/14/1995		16:00	0.02	0.063	0.074	0.12	0.25	0	180	28.6	15.2	43.7	13.4	16	2.7	229	0.5	17	5	1			10	3.1	2		1
8/4/1997	Y	13:55	0.01	0.004	0.036	0.07	0.76	6.16	148	19.2	9.7	39.7	10.5	10.7	2.3	183	0.4	9	16	2k		0.0521	14	4.5	5	8.7	4
8/4/1997		13:55	0.02	0.004	0.034	0.07	0.86	7.11	145	22.1	9.4	39.5	10.3	10.6	2.3	184	0.4	8.6	18	2k		0.0522	11	4.6	4	8.7	5
8/4/1997		13:57																									
8/4/1997		13:59																									
8/4/1997		14:01																									
8/4/1997		14:03																									
8/4/1997		14:05																									
8/4/1997		14:07																									
8/4/1997		14:09																									
8/4/1997		14:10																									
8/4/1997		14:11																									
8/4/1997		14:13	0.27	0.129	0.156	0.09	0.18	0	160	20.4	9.6	40.3	10.1	10	2.2	186	0.4	11.3	14	2k			5	3.2	2	8.3	3
7/13/1998		15:30	0.04	0.005	0.005	0.04	0.29	3.31	160	30.2	10.8	40.5	11.8	12.5	2.2	205	0.4	11.8	2K	2K		0.0032	9	3.2	1	8.5	1
7/13/1998		15:33																									
7/13/1998		15:35																									
7/13/1998		15:37																									
7/13/1998		15:38																									
7/13/1998		15:41																									
7/13/1998		15:43																									
7/13/1998		15:45																									
7/13/1998		15:47																									
7/13/1998		15:49																									
7/13/1998		15:50	0.15	0.07	0.088	0.12	0.25	0	170	26.4	10.4	41.5	12.3	12.5	2.3	208	0.4	16.1	2K	2K			8	2.9	4	8.1	2
6/26/2000		14:50	0.09	0.051	0.065	0.06	0.28	5.19	173	33.1	16.8	45.7	14.8	17.2	2.9	239	0.6	14.5	2K		2K	0.0058	16	2.3	2	8.5	2
6/26/2000		14:52																									
6/26/2000		14:54																									
6/26/2000		14:56																									
6/26/2000		14:59																									
6/26/2000		15:02																									
6/26/2000		15:05																									
6/26/2000		15:07																									
6/26/2000		15:09																									
6/26/2000		15:12	0.1	0.057	0.064	0.08	0.3	2.36	177	35.5	16.8	45.3	14.7	17.4	2.9	240	0.6	14.5	2K		2K		16	2.2	2	8.4	2
7/15/2003		14:00	0.07	0.052	0.082	0.05	0.43	2.95	198	43.7	21.1	47.3	16.5	21.4	3.6	278	0.7	20	< 2		< 2	0.0061	12	3.2	5	8.5	4
7/15/2003		14:04																									
7/15/2003		14:07																									
7/15/2003		14:09																									
7/15/2003		14:12																									
7/15/2003		14:14	0.1	0.089	0.113	0.19	0.51	0	205	43.3	20.9	47.7	16.3	21.6	3.6	281	0.7	23	< 2		< 2		13	2.9	4	8.3	3
Snake River																											
8/14/1995		16:35	0.02	0.067	0.079	0.13	0.32	3.91	172	28	14.9	43.5	13.4	16.1	2.7	228	0.5	16.9	3	2			10	3.2	2		1
8/4/1997		15:15	0.06	0.009	0.051	0.08	0.55	1.9	157	21.6	9.7	39.3	10.1	10.6	2.3	185	0.4	9.1	10	12			7	3.7	3	8.5	2
7/13/1998		16:33	0.09	0.022	0.053	0.08	0.22	1.42	164	28.8	10.5	40.9	11.9	12.4	2.2	205	0.4	12.9	2K	12			8	3	2	8.4	1
6/26/2000		15:50	0.1	0.056	0.069	0.09	0.41	4.24	175	33.1	17	45.1	14.7	17.5	2.9	239	0.6	14.6	16		2		15	2.3	2	8.5	2
7/15/2003		14:45	0.1	0.068	0.102	0.11	0.42	1.97	200	43.7	21.2	46.9	16.6	24.5	3.6	283	0.8	22.2	40		4			3.1	4	8.4	3

Table B-1. Continued.

Date sampled	Repli- cate	Time sampled	Boron (u g/L)	Fl (mg/L)	As (u g/L)	Se (u g/L)	Hg (u g/L)	Cd (u g/L)	Cr (u g/L)	Cu (u g/L)	Pb (u g/L)	Fe (u g/L)	Mn (u g/L)	Zn (u g/L)	Secchi (meters)	Sam. Depth (feet)	Field Temp (°C)	DO (mg/L)	Field pH (SU)	Field EC (u S/cm)	ORP (mv)	Flow (cfs)	BP (mm Hg)	Diss. gas (%)	N ₂ -Ar gas (%)
American Falls Reservoir																									
8/14/1995		15:40	0	0.58	3	< 2	< 0.2	< 1	< 2	< 2	< 2	< 20	30	< 5	3.1	3.3	20.3	8.6	8.53	364	82		25.71		
8/14/1995		15:42														9.8	19.9	7.3	8.38	366	84				
8/14/1995		15:44														16.4	19.8	6.8	8.32	366	86				
8/14/1995		15:46														23	19.7	6.6	8.31	366	86				
8/14/1995		15:48														29.5	19.7	6.5	8.3	368	86				
8/14/1995		15:50														36.1	19.6	6.4	8.29	370	85				
8/14/1995		15:53														42.6	19.6	6.4	8.29	368	85				
8/14/1995		15:55														49.2	19.6	6.4	8.29	370	85				
8/14/1995		15:57														55.8	19.2	2.7	7.8	374	99				
8/14/1995		16:00	0	0.58	3	< 2	< 0.2	< 1	< 2	< 2	< 2	50	50	< 5		59.4	18.8	2.3	7.73	376	98				
8/4/1997	Y	13:55	60	0.46	4	< 2	< 0.2	< 1	< 2	< 2	< 2	20	< 10	< 5		3.3									
8/4/1997		13:55	50	0.46	4	< 2	< 0.2	< 1	< 2	< 2	< 2	20	< 10	< 5	1.6	3.3	21.9	9.4		321	126		663		
8/4/1997		13:57														9.6	21.8	9.1		322	126		662		
8/4/1997		13:59														16	21.6	8.5		324	126		665		
8/4/1997		14:01														22.4	21.4	8.4		324	126		662		
8/4/1997		14:03														28.8	21.2	8.1		325	126		662		
8/4/1997		14:05														35.2	20.5	6.7		326	131		662		
8/4/1997		14:07														41.6	18.2	3.6		332	139		662		
8/4/1997		14:09														48	17.7	2.1		332	113		662		
8/4/1997		14:10														54.4	17.6	1.4		334	114		662		
8/4/1997		14:11														60.8	17.4	1.2		333	145		662		
8/4/1997		14:13	50	0.48	4	< 2	< 0.2	< 1	< 2	< 2	< 2	80	160	< 5		65.3	17.4	1.1		334	145		662		
7/13/1998		15:30	50U	0.52	2	< 2	< 0.2	< 1	< 2	< 2	< 2	60	10.0U	< 5	4.5	3.3	22.6	8.2		350	175		654		
7/13/1998		15:33														9.8	21.8	8.3	8.15	350	161				
7/13/1998		15:35														16.4	20.4	8	8.32	353	162				
7/13/1998		15:37														23	19.2	7.5	8.35	355	162				
7/13/1998		15:38														29.5	18.4	6.8	8.3	357	164				
7/13/1998		15:41														36.1	17.6	5.9	8.45	359	155				
7/13/1998		15:43														42.6	17.5	5.7	8.43	360	155				
7/13/1998		15:45														49.2	16.8	5.2	8.4	364	157				
7/13/1998		15:47														55.8	15.9	3.8	8.3	366	162				
7/13/1998		15:49														62.3	15.8	3.2	8.23	369	164				
7/13/1998		15:50	50U	0.51	3	< 2	< 0.2	< 1	< 2	< 2	< 2	100	40	< 5		67.6	15.7	3		370	168				
6/26/2000		14:50	69	0.72	4	< 2	< 0.2	< 1	< 2	< 2	< 2	60	30	< 5	3.7	3.3	19.6	8.3	8.49	395	149		658		
6/26/2000		14:52														9.8	18.9	8.4	8.49	393	147				
6/26/2000		14:54														16.4	18.2	8	8.47	393	148				
6/26/2000		14:56														23	17.5	7.6	8.45	393	148				
6/26/2000		14:59														29.5	17.2	7	8.41	399	149				
6/26/2000		15:02														36.1	17.1	7	8.4	395	149				
6/26/2000		15:05														42.7	16.9	6.7	8.37	394	150				
6/26/2000		15:07														49.2	16.8	6.6	8.35	395	150				
6/26/2000		15:09														55.8	16.7	6.4	8.31	395	142				
6/26/2000		15:12	< 50	0.72	3	< 2	< 0.2	< 1	< 2	< 2	< 2	60	40	20		57.7	16.7	6.3	8.31	395	143				
7/15/2003		14:00	100	0.84	NE ¹	NE ¹	< 0.2	NE ¹	NE ¹	NE ¹	NE ¹	NE ¹	NE ¹	NE ¹	2.1	3.3	23.2	7.7	8.61	454	89		655		
7/15/2003		14:04														9.8	22.2	7.8	8.67	454	78				
7/15/2003		14:07														16.4	21.8	6.8	8.59	454	79				
7/15/2003		14:09														23	21.6	6.4	8.51	455	80				
7/15/2003		14:12														29.5	21.1	4.9	8.31	458	82				
7/15/2003		14:14	130	0.85	NE ¹	NE ¹	< 0.2	NE ¹	NE ¹	NE ¹	NE ¹	NE ¹	NE ¹	NE ¹		35.8	20.4	1.3	7.94	461	-35				
Snake River																									
8/14/1995		16:35	0	0.58	3	< 2	< 0.2	< 1	< 2	< 2	< 2	30	60	< 5			20.1	6.4	8.37	366	72	12690		96.9	101.6
8/4/1997		15:15	60	0.47	3	< 2	< 0.2	< 1	< 2	< 2	< 2	30	20	< 5			21	8.2		124	132		662	180	103.5
7/13/1998		16:33	50U	0.51	2	< 2	< 0.2	< 1	< 2	< 2	< 2	60	20	5			19.7	6.8		358	173	12510	654	101.6	102.4
6/26/2000		15:50	53	0.73	4	< 2	< 0.2	< 1	< 2	< 2	< 2	70	40	< 5			17.9	7.5	8.46	393	175	13420	658	100.6	
7/15/2003		14:45	110	0.85	NE ¹	NE ¹	< 0.2	NE ¹	NE ¹	NE ¹	NE ¹	NE ¹	NE ¹	NE ¹			22.3	6.7	8.57	453	86		657	99.5	

¹NE=not entered

Table B-2. DEQ sampling of American Falls Reservoir, May 2001 to August 2003.

Site sample	Date sampled	Time sampled	NO ₃ +NO ₂ (mg/L)	Ortho P (mg/L)	Total P (mg/L)	NH ₃ (mg/L)	TKN (mg/L)	HCO ₃ (mg/L)	TDS- 180 (mg/L)	Alkalinity (mg/L)	Chl a (mg/L)	SS (mg/L)	Lab pH (SU)	Lab EC (u S/cm)	Turbidity (NTU)	Comments
near Dam																
Column	5/11/2001	9:30	0.14	0.006	0.03	0.02	0.32	189	274	161		9	8.5	449	3	
Bottom	5/11/01	9:40	0.16	0.007	0.044	0.03	0.4	190	275	161		11	8.4	452	4	
Column	5/23/2001	10:00	0.02	< 0.003	< 0.01	0.01	0.27	182	245	152		2	8.4	433	2	
Bottom	5/23/01	10:15	0.03	< 0.003	0.015	0.03	0.29	183	247	152		4	8.4	436	2	
Column	6/6/2001	9:45	0.06	0.052	0.067	0.15	0.46	188	259	154	0.0036	3	8.2	446	3	
Bottom	6/6/2001	9:45	0.06	0.055	0.073	0.17	0.44	189	252	155		6	8.1	446	5	
Column	6/20/2001	10:15	0.08	0.041	0.056	0.08	0.38	190	256	156	0.0034	3		449	2	
Bottom	6/20/2001	10:30	0.08	0.051	0.075	0.1	0.37	190	253	156		7		451	5	
Column	7/3/2001	12:30	0.12	0.042	0.083	0.11	0.57	197	278	162	0.0035	4		455	3	
Bottom	7/3/2001	12:45	0.11	0.049	0.06	0.12	0.4	197	273	162		2		450	2	
Column	7/12/2001	11:00	0.13	0.064	0.087	0.14	0.48	199	264	163	0.002	3	8.3	459	4	
Bottom	7/12/2001	11:00	0.09	0.184	2.14	0.34	0.62	203	280	166		6	8.1	461	6	
Column	7/19/2001	9:30	0.08	0.078	0.101	0.1	0.54	194	273	164	0.0006	2	8.4	460	< 1	
Bottom	7/19/2001	9:45	0.06	0.208	0.22	0.4	0.62	205	277	168		3	7.9	467	< 1	
Column	7/25/2001	11:45	0.05	0.075	0.099	0.07	0.37	193	277	164	0.0117	6	8.6	460	< 1	
Bottom	7/25/2001	12:00	0.06	0.083	0.101	0.1	0.37	191	276	165		8	8.6	460	1	
Column	8/2/2001	10:45	0.04	0.05	0.089	0.01	0.72	185	270	166	0.0406	7	8.6	459	4	loose lids
Bottom	8/2/2001	10:50	0.05	0.058	0.088	0.03	0.44	187	272	166		9	8.6	461	4	loose lids
Column	8/8/2001	9:45	0.03	0.055	0.085	0.06	0.57	193	275	166	0.0022	2	8.5	464	2	
Bottom	8/8/2001	9:55	0.05	0.095	0.115	0.17	0.42	201	275	167		4	8.4	467	2	
Column	6/4/2002	14:45	0.01	0.007	0.031	< 0.01	0.26	181	255	156	0.006	3	8.7	449	2	
Bottom	6/4/2002	14:30	0.02	0.014	0.042	< 0.01	0.34	180	252	155		5	8.7	451	2	
Column	6/20/2002	10:45	0.04	0.032	0.054	0.05	0.54	179	255	154	0.0075	3	8.5	448	2	
Bottom	6/20/2002	10:30	0.02	0.039	0.056	0.08	0.41	185	259	155		2	8.4	450	2	
Column	7/2/2002	12:00	0.02	0.124	0.155	0.3	0.53	191	262	157	0.0063	3	8.3	453	< 1	
Bottom	7/2/2002	11:50	0.02	0.153	0.186	0.43	0.63	195	263	160		2	8.2	455	1	
Column	7/15/2002	11:05	0.06	0.045	0.149	0.39	0.66	190	256	160	0.0097	2	8.5	443	2	
Bottom	7/15/2002	10:55	0.2	0.107	0.113	0.12	0.52	197	258	162		3	8.3	455	2	
Column	7/31/2002	8:50	0.03	0.065	0.12	0.04	0.78	183	270	162	0.0269	6	8.7	440	5	
Bottom	7/31/2002	8:00	0.05	0.076	0.104	0.08	0.43	189	270	163		8	8.6	444	6	
Column	5/28/2003	11:00	< 0.01	0.006	0.031	< 0.01	0.26	188		160	0.0045	2	8.5	459	< 1	
Bottom	5/28/2003	10:50	0.01	0.009	0.029	0.01	0.28	192		160		8	8.4	459	1	
Column	6/9/2003	10:00	0.04	0.031	0.055	0.11	0.42	196		161	0.0043	2	8.3	474	2	
Bottom	6/9/2003	9:45	0.04	0.035	0.055	0.11	0.4	197		162		2	8.3	475	2	
Column	6/26/2003	10:10	0.06	0.05	0.082	0.13	0.5	202		166	0.0046	2	8.3	491	2	
Bottom	6/26/2003	9:55	0.07	0.061	0.09	0.16	0.51	202		166		2	8.3	490	3	
Column	7/11/2003	11:15	0.06	0.038	0.09	0.04	0.44	203		166	0.0134	4	8.3	459	2	received past holding times
Bottom	7/11/2003	11:00	0.06	0.043	0.079	0.08	0.4	203		166		3	8.3	460	2	received past holding times
Column	7/23/2003	10:15	0.04	0.058	0.094	0.06	0.47	191		161	0.009	3	8.4	429	3	
Bottom	7/23/2003	10:00	0.07	0.129	0.161	0.21	0.54	197		162		2	8.1	431	3	
Column	8/5/2003	9:50	0.02	0.104	0.166	0.07	0.83	183		152	0.0305	8	8.4	406	5	
Bottom	8/5/2003	9:40	0.03	0.097	0.149	0.07	0.71	182		151		8	8.4	404	7	
24-hour sampling event near dam																
	7/18/2002	18:30			0.088	0.09	0.54				0.0115					Fixed and Chl-a Sample Only, Received Late
	7/19/2002	6:30			0.082	0.08	0.6				0.0202					Fixed and Chl-a Sample Only, Received Late
	7/19/2002	12:30			0.078	0.05	0.42				0.0092					Fixed Sample Only Rec'd Late, Chlorophyll labeled 7/15/02
off Fenstermaker Point																
Column	8/8/2001	8:15	0.16	0.041	0.06	0.07	0.42	200	276	164	0.014	5	8.3	463	2	
Bottom	8/8/2001	8:35	0.14	0.046	0.063	0.08	0.35	201	285	165		3	8.3	465	2	
Column	6/4/2002	13:55	0.01	0.003	0.034	< 0.01	0.3	182	238	155	0.006	3	8.6	450	2	
Bottom	6/4/2002	13:45	0.02	0.03	0.053	< 0.01	0.27	190	253	157		3	8.4	453	2	
Column	7/2/2002	13:25	< 0.01	0.049	0.078	0.04	0.38	183	254	158	0.0054	4	8.5	446	1	
Bottom	7/2/2002	13:45	0.02	0.04	0.086	0.24	0.38	178	255	157		5	8.5	447	1	
Column	7/15/2002	10:00	0.06	0.03	0.079	0.07	0.48	182	256	161	0.0176	3	8.7	447	2	
Bottom	7/15/2002	9:50	0.2	0.05	0.136	0.37	0.72	194	257	163		4	8.5	453	2	
Column	6/26/2003	9:30	0.07	0.06	0.096	0.17	0.65	201		165	0.0041	2	8.3	489	2	
Bottom	6/26/2003	9:10	0.07	0.061	0.097	0.18	0.61	202		166		3	8.2	491	3	
Column	7/23/2003	9:15	0.01	0.051	0.103	0.02	0.7	178		162	0.0242	6	8.6	432	8	
Bottom	7/23/2003	9:00	0.04	0.082	0.144	0.07	0.44	191		160		11	8.4	425	9	
Column	8/5/2003	7:50	0.02	0.049	0.152	0.02	1.27	173		144	0.0686	15	8.4	388	12	
Bottom	8/5/2003	7:35	0.03	0.049	0.157	0.03	1.04	173		145		14	8.4	388	12	

Table B-2. Continued.

Site sample	Date sampled	Time sampled	NO ₃ +NO ₂ (mg/L)	Ortho-P (mg/L)	T-Phos (mg/L)	NH ₃ (mg/L)	TKN (mg/L)	HCO ₃ (mg/L)	TDS- 180 (mg/L)	Alkalinity (mg/L)	Chl <i>a</i> (mg/L)	SS (mg/L)	Lab pH (SU)	Lab EC (μ S/cm)	Turbidity (NTU)	Comments
off Little Hole Draw point																
Column	5/11/2001	8:10	< 0.01	0.004	0.026	< 0.01	0.4	178	258	148		10	8.4	430	4	
Bottom	5/11/01	8:20	< 0.01	< 0.003	0.025	< 0.01	0.32	177	256	148		10	8.4	430	4	
Column	5/23/2001	8:25	0.05	0.032	0.054	0.19	0.52	188	261	157		2	8.4	448	1	
Bottom	5/23/01	8:45	0.02	0.036	0.054	0.19	0.5	186	255	154		2	8.4	441	2	
Column	6/20/2001	9:15	0.16	0.025	0.05	0.07	0.43	196	260	161	0.0078	3		448	3	
Bottom	6/20/2001	9:15	0.15	0.02	0.044	0.05	0.37	197	265	162		2		455	2	
Column	7/3/2001	9:30	0.14	0.048	0.088	0.12	0.58	199	272	163	0.0112	6		459	5	
Bottom	7/3/2001	10:00	0.14	0.058	0.094	0.16	0.53	200	275	164		8		449	7	
Column	7/12/2001	9:00	0.12	0.051	0.091	0.13	0.52	193	270	162	0.0132	10	8.4	446	9	
Bottom	7/12/2001	9:00	0.12	0.053	0.096	0.15	0.58	197	275	162		15	8.2	444	10	
Column	7/25/2001	9:30	0.27	0.049	0.114	0.09	0.43	200	281	168	0.0064	38	8.5	465	12	
Bottom	7/25/2001	9:45	0.28	0.048	0.105	0.08	0.47	198	281	168		34	8.5	464	10	
Column	8/2/2001	8:30	0.15	0.04	0.105	0.05	0.72	199	274	165	0.0572	15	8.4	458	13	loose lids
Bottom	8/2/2001	8:50	0.18	0.042	0.136	0.08	0.75	199	272	165		22	8.4	458	13	loose lids
Column	8/8/2001	7:30	0.35	0.046	0.158	0.08	0.73	206	283	169	0.0156	12	8.1	471	7	
Bottom	8/8/2001	7:45	0.32	0.06	0.119	0.16	0.93	210	287	172		17	8.1	476	10	
Column	6/4/2002	12:15	0.03	0.031	0.044	0.13	0.4	186	250	155	0.0027	< 1	8.5	448	1	
Bottom	6/4/2002	12:00	0.04	0.038	0.049	0.15	0.47	187	254	155		< 1	8.4	446	1	
Column	6/20/2002	8:45	0.03	0.022	0.055	0.02	0.46	175	256	157	0.0175	4	8.7	443	2	
Bottom	6/20/2002	8:30	0.04	0.029	0.078	0.03	0.42	183	254	158		4	8.5	446	2	
Column	7/2/2002	9:40	0.1	0.041	0.078	< 0.01	0.46	181	247	157	0.0149	7	8.5	433	2	
Bottom	7/2/2002	9:30	< 0.01	0.034	0.085	< 0.01	0.45	181	244	157		6	8.5	433	2	
Column	7/15/2002	9:05	0.36	0.086	0.154	0.17	0.76	188	257	161	0.0162	8	8.5	450	5	
Bottom	7/15/2002	8:55	0.33	0.086	0.142	0.18	0.82	190	273	163		7	8.6	450	4	
Column	5/28/2003	9:15	0.03	0.032	0.04	0.13	0.46	197		162	0.0021	< 1	8.3	465	1	
Bottom	5/28/2003	9:10	0.03	0.038	0.059	0.19	0.47	197		162		< 1	8.3	466	1	
Column	6/9/2003	8:25	0.05	0.038	0.064	0.14	0.46	197		162	0.003	3	8	472	2	
Bottom	6/9/2003	8:10	0.05	0.04	0.065	0.14	0.7	197		162		2	8.3	474	2	
Column	6/26/2003	8:40	0.07	0.048	0.093	0.15	0.58	200		164	0.005	3	8.3	488	3	
Bottom	6/26/2003	8:30	0.07	0.051	0.086	0.16	0.58	200		164		4	8.5	488	4	
Column	7/23/2003	7:30	0.13	0.051	0.103	0.07	0.45	190		159	0.0079	7	8.4	422	8	
Bottom	7/23/2003	7:20	0.14	0.05	0.089	0.07	0.48	189		158		5	8.4	419	8	
Column	8/5/2003	8:30	0.08	0.003	0.098	0.02	0.57	160		133	0.0033	48	8.4	351	24	
upreservoir from Big Hole along Bingham-Bannock county line																
Column	5/11/2001	7:30	< 0.01	0.009	0.039	< 0.01	0.37	183	263	152		8	8.4	438	4	
Bottom	5/11/01	7:45	< 0.01	0.005	0.033	0.01	0.41	184	268	152		9	8.4	438	4	
Column	5/23/2001	7:45	0.07	0.033	0.06	0.21	0.76	191	260	158		2	8.4	447	1	
Bottom	5/23/01	7:50	0.06	0.044	0.076	0.24	0.61	192	258	159		2	8.4	449	2	
Column	6/6/2001	7:45	0.1	0.031	0.063	0.12	0.5	193	262	161	0.0083	7	8.4	457	4	
Column	6/20/2001	7:45	0.19	0.01	0.034	0.04	0.32	186	247	153	0.0062	7		425	6	
Bottom	6/20/2001	7:45	0.22	0.017	0.046	0.08	0.36	177	253	145		9		442	7	
Column	7/3/2001	8:00	0.04	0.025	0.078	0.13	0.65	192	275	157	0.0264	12		446	10	
Bottom	7/3/2001	8:15	0.19	0.036	0.094	0.2	0.88	192	267	157		12		427	10	
Column	7/12/2001	7:45	0.19	0.006	0.1	0.03	0.62	173	229	142	0.0331	55	8.3	364	28	
Bottom	7/12/2001	7:45	0.25	0.016	0.104	0.09	0.61	180	240	148		53	8.3	397	31	
Column	7/25/2001	8:15	0.33	0.014	0.084	0.07	0.4	176	245	148	0.0084	39	8.5	407	10	
Bottom	7/25/2001	8:40	0.35	0.015	0.082	0.08	0.37	179	239	149		41	8.5	408	10	
Column	8/2/2001	9:25	0.41	0.012	0.106	0.08	0.51	183	227	150	0.0121	75	8.2	401	15	loose lids
Bottom	8/2/2001	9:40	0.3	0.011	0.096	0.09	0.46	187	229	153		109	8.2	402	31	loose lids
Column	6/4/2002	10:45	0.04	0.011	0.04	0.02	0.41	179	250	155	0.0114	6	8.7	437	3	
Bottom	6/4/2002	11:00	0.04	0.013	0.045	0.02	0.42	177	243	154		5	8.7	439	3	
Column	6/20/2002	8:00	< 0.01	0.01	0.047	< 0.01	0.69	170	252	154	0.0203	6	8.7	428	2	
Bottom	6/20/2002	7:45	0.03	0.016	0.059	< 0.01	0.58	169	250	156		8	8.7	435	3	
Column	7/2/2002	8:15	0.1	0.024	0.118	0.06	0.7	191	262	157	0.0183	26	8.4	454	7	
Bottom	7/2/2002	8:00	0.11	0.02	0.114	0.06	0.92	188	261	157		28	8.4	452	5	
Column	7/15/2002	8:15	0.37	0.054	0.099	0.08	0.69	177	230	147	0.0416	23	8.4	390	9	
Column	5/28/2003	8:15	0.04	0.005	0.042	0.02	0.44	183		155	0.017	1	8.5	435	2	
Bottom	5/28/2003	8:00	0.06	0.043	0.078	0.1	0.53	195		160		2	8.3	450	2	
Column	6/9/2003	7:35	0.07	0.018	0.073	0.07	0.45	173		145	0.0064	5	8.5	396	2	
Bottom	6/9/2003	7:20	0.08	0.018	0.049	0.07	0.44	174		145		3	8.4	399	2	
Column	6/26/2003	7:40	0.11	0.003	0.065	0.02	0.49	171		140	0.0234	10	8.3	388	5	
Bottom	6/26/2003	7:30	0.08	0.005	0.072	0.02	0.51	175		144		14	8.3	404	7	
Column	7/11/2003	7:45	0.13	0.003	0.042	0.06	0.32	168		138	0.0075	19	8.2	350	8	received past holding times
Blanks																
	5/11/2001	9:45	0.03	< 0.003	< 0.01	< 0.01	< 0.03	1	< 5	0.82		< 1	5.7	< 2	< 1	
	7/12/2001	11:00	0.06	< 0.003	< 0.01	< 0.01	< 0.03	2	< 5	1.64		< 1	5.9	< 2	< 1	
	8/8/2001	10:00	0.04	< 0.003	< 0.01	< 0.01	< 0.03	7	< 5	5.74		< 1	6.4	< 2	< 1	
	6/4/2002	15:00	0.02	< 0.003	< 0.01	< 0.01	< 0.03	1	6	0.82		< 1	5.9	< 2	< 1	
	7/15/2002	11:15	< 0.01	< 0.003	< 0.01	0.12	0.71	3	5	2.46		< 1	6.2	< 2	< 1	
Duplicates																
	6/20/2001	7:45	0.18	0.009	0.034	0.04	0.37	187	242	153		9		422	6	Boundary site
	8/2/2001	8:45	0.15	0.039	0.112	0.05	0.64	197	274	165		19	8.4	457	13	loose lids
	7/15/2002	10:10	0.13	0.038	0.086	0.11	0.68	182	256	161		5	8.7	448	2	Fenstermaker

Table B-3. DEQ field parameter sampling in American Falls Reservoir, May 2001 to August 2003. Temp = temperature, Cond = conductivity, DO = dissolved oxygen, Turb = turbidity.

Date	Depth (meters)	Dam					Fenstermaker Point					Little Hole Draw Point					County Boundary Point				
		Temp (°C)	pH	Cond (u S/cm)	DO (mg/l)	Turb (NTU)	Temp (°C)	pH	Cond (u S/cm)	DO (mg/l)	Turb (NTU)	Temp (°C)	pH	Cond (u S/cm)	DO (mg/l)	Turb (NTU)	Temp (°C)	pH	Cond (u S/cm)	DO (mg/l)	Turb (NTU)
11-May-01	0.3	9.05	8.76	298	10.27							10.71	8.69	298	10.25		10.92	8.55	300	10.81	
	1	9.01	8.75	298	10.37							10.7	8.69	298	10.28		10.93	8.54	300	10.84	
	2	8.93	8.74	297	10.39							10.69	8.68	298	10.29		10.92	8.53	301	10.84	
	3	8.9	8.73	297	10.34							10.69	8.68	298	10.29		10.78	8.52	301	10.94	
	4	8.91	8.73	297	10.29							10.63	8.67	297	10.29		10.77	8.51	301	11.02	
	5	8.89	8.73	297	10.26							10.63	8.66	297	10.3		10.77	8.51	301	11.09	
	6	8.89	8.72	297	10.19							10.61	8.67	297	10.3		10.76	8.49	302	11.26	
	7	8.9	8.72	297	10.08							10.61	8.66	297	10.27		10.76	8.48	301	11.37	
	8	8.89	8.71	297	10.07							10.55	8.66	296	10.3		10.76	8.46	302	11.6	
	9	8.88	8.71	297	9.98							10.52	8.66	296	10.27						
	10	8.86	8.71	297	9.91							10.48	8.66	296	10.22						
	11	8.85	8.7	297	9.87							10.48	8.66	296	10.12						
	12	8.76	8.69	297	9.85																
	13	8.76	8.69	297	9.81																
	14	8.73	8.68	297	9.78																
	15	8.68	8.67	296	9.79																
	16	8.62	8.67	296	9.8																
	17	8.56	8.66	296	9.84																
	18	8.55	8.65	296	9.86																
	19	8.56	8.65	296	9.87																
23-May-01	0.3	13.75	8.56	337	8.23							14.15	8.25	356	6.49		14.56	8.29	357	7	
	1	13.7	8.56	337	8.36		15.16	8.26	363	6.42		14.11	8.25	356	6.44		14.58	8.29	357	6.94	
	2	13.56	8.57	335	8.44							14.08	8.25	355	6.4		14.58	8.29	357	6.86	
	3	13.41	8.57	334	8.39		14.45	8.25	355	6.38		14.05	8.24	354	6.32		14.5	8.27	357	6.78	
	4	13.22	8.57	332	8.39							14.02	8.23	354	6.23		14.35	8.24	354	6.72	
	5	13.07	8.55	331	8.47		14.22	8.24	356	6.29		13.92	8.21	352	6.16		14.22	8.23	354	6.67	
	6	12.84	8.54	329	8.55							13.78	8.19	350	6.05		14.15	8.22	353	6.33	
	7	12.21	8.57	323	8.67							13.73	8.19	349	5.91		14.09	8.19	355	6.42	
	8	11.78	8.58	320	8.7							13.68	8.18	348	5.57						
	9	11.65	8.57	319	8.68		13.42	8.23	341	6.26		13.58	8.16	347	5.41						
	10	11.63	8.57	319	8.57							12.72	8.16	335	5.45						
	11	11.58	8.56	318	8.46							12.66	8.14	334	5.51						
	12	11.52	8.55	318	8.28																
	13	11.38	8.51	317	8.1																
	14	11.23	8.48	317	7.99																
	15	11.21	8.47	317	7.94																
	16	10.97	8.46	315	7.98																
	17	10.88	8.44	315	7.98																
	18	10.87	8.44	315	8.01																
6-Jun-01	0.3	14.11	8.14	351	7.06												14.25	8.29	360	7.48	
	1	14.1	8.13	351	7.1												14.27	8.28	360	7.42	
	2	14.04	8.13	350	7.1												14.27	8.27	361	7.36	
	3	14.02	8.12	350	7.1												14.3	8.26	360	7.24	
	4	14.02	8.11	350	7.08												14.29	8.25	361	7.07	
	5	14.02	8.11	350	7.04												14.31	8.23	361	6.68	
	6	14.01	8.11	350	7.02												14.26	8.21	360	5.77	
	7	14	8.1	350	7																
	8	14	8.1	350	6.94																
	9	13.99	8.1	350	6.87																
	10	14	8.09	350	6.77																
	11	14	8.09	350	6.68																
	12	13.96	8.07	350	6.56																
	13	13.94	8.06	350	6.51																
	14	13.8	8.03	349	6.51																
	15	13.79	8.02	349	6.47																
	16	13.79	8.02	349	6.39																
20-Jun-01	0.3	16.6	8.32	375	6.1							16.66	8.44	375	6.2		17.12	8.47	353	6.68	
	1	16.49	8.31	374	5.94							16.6	8.44	375	6.21		17.11	8.47	352	6.5	
	2	15.73	8.29	367	5.76							16.55	8.44	374	6.21		17.08	8.46	350	6.29	
	3	15.54	8.28	365	5.72							16.5	8.42	373	6.06		16.97	8.44	348	5.65	
	4	15.34	8.26	364	5.73							16.4	8.41	374	6.05		16.34	8.37	355	5.64	
	5	15.26	8.25	363	5.73							15.84	8.43	372	6.09		16.06	8.34	368	5.66	
	6	15.22	8.24	363	5.7							15.6	8.42	370	6.11		16	8.32	359	5.57	
	7	15.17	8.24	363	5.68							15.52	8.41	369	6.02		15.95	8.29	361	5.5	
	8	15.14	8.24	363	5.66							15.48	8.41	369	5.96						
	9	15.15	8.23	363	5.62							15.22	8.38	367	6						
	10	15.12	8.22	363	5.5																
	11	15.07	8.21	363	5.43																
	12	15.04	8.2	362	5.35																
	13	15.04	8.19	362	5.31																
	14	15.01	8.18	362	5.31																
	15	14.97	8.17	362	5.32																

Table B-3. Continued.

Date	Depth (meters)	Dam					Fenstermaker Point					Little Hole Draw Point					County Boundary Point				
		Temp (°C)	pH	Cond (u S/cm)	DO (mg/l)	Turb (NTU)	Temp (°C)	pH	Cond (u S/cm)	DO (mg/l)	Turb (NTU)	Temp (°C)	pH	Cond (u S/cm)	DO (mg/l)	Turb (NTU)	Temp (°C)	pH	Cond (u S/cm)	DO (mg/l)	Turb (NTU)
3-Jul-01	0.3	21.66	8.61	427	8.34	0.5						22.61	8.66	426	8.42	2	24.28	8.69	409	9.01	12.6
	1	21.56	8.61	426	8.34	0.3						22.55	8.66	426	8.42	2.8	24.29	8.68	410	9	12.2
	2	21.22	8.6	426	8.29	0.3						22.49	8.65	426	8.38	2.8	24.29	8.68	409	8.96	13.1
	3	20.98	8.59	426	8.19	0.4						22.43	8.64	426	8.21	2.8	24.1	8.61	417	8.13	17.3
	4	20.87	8.59	426	8.17	0.5						22.39	8.61	427	8.01	3.9	22.76	8.15	402	4.13	18.4
	5	20.24	8.55	427	7.89	0.2						22.34	8.6	427	8.01	4.1	22.58	8.16	399	4.25	14.6
	6	19.91	8.54	426	7.88	1.4						21.42	8.33	434	5.39	7.2	22.14	7.98	415	2.87	12
	7	19.65	8.56	426	8.04	1.3						21.18	8.14	438	4.27	10.2					
	8	19.31	8.5	427	7.45	2.3															
	9	18.56	8.46	425	7.2	1.3															
	10	18.44	8.37	426	6.39	0.8															
	11	18.24	8.38	426	6.32	0.3															
	12	17.91	8.3	427	5.63	0.3															
	13	17.72	8.23	429	4.91	0.3															
	14	17.68	8.24	428	5.04	0.3															
12-Jul-01	0.3	23.14	8.73	429	7.62	0.4						22.61	8.48	423	5.57	15.5	22.08	8.58	349	7.06	65.5
	1	23	8.74	429	7.63	0.4						22.57	8.47	423	5.49	16.1	22.06	8.5	356	6.93	68
	2	22.82	8.74	429	7.59	0.4						22.54	8.47	423	5.48	16.9	22.05	8.45	352	6.9	64.2
	3	22.74	8.73	429	7.56	0.7						22.54	8.47	423	5.53	16.1					
	4	22.68	8.73	429	7.5	1						22.54	8.48	423	5.55	15.6					
	5	22.63	8.72	429	7.44	2						22.53	8.48	423	5.58	16.5					
	6	22.6	8.72	429	7.42	1.5															
	7	22.52	8.71	429	7.4	3															
	8	22.44	8.7	429	7.13	2.9															
	9	22.32	8.68	428	6.92	2															
	10	19.87	8.3	433	3.84	4															
	11	18.96	8.13	434	2.6	6.5															
	12	18.48	8.06	434	1.97	8.5															
19-Jul-01	0.3	21.29	8.69	429	7.01	2.1															
	1	21.28	8.69	429	7.03	1.2															
	2	21.3	8.69	429	6.96	1.3															
	3	21.3	8.68	429	6.9	1.6															
	4	21.29	8.68	429	6.9	3.1															
	5	21.29	8.68	429	6.88	1.5															
	6	21.29	8.68	429	6.96	6.1															
	7	21.28	8.68	429	6.88	1.3															
	8	21.24	8.65	430	6.61	1.6															
	9	21.05	8.6	431	5.75	2.7															
	10	20.72	8.48	432	4.85	4.4															
	11	20.41	8.4	434	3.67	5.5															
	12	20.01	8.17	436	2.37	6.7															
25-Jul-01	0.3	21.17	8.82	426	7.86	2.3						20.02	8.48	433	6.2	47.9	20.03	8.61	377	7.52	47.2
	1	21.14	8.82	426	7.83	3.5						20.02	8.48	433	6.16	49.8	20.06	8.61	377	7.5	46.9
	2	21.09	8.8	426	7.83	4.4						20.03	8.48	433	6.17	49.6	20.04	8.6	377	7.49	48
	3	21.08	8.81	426	7.8	4.8						19.98	8.47	433	6.09	52.3	19.91	8.56	385	7.41	53.6
	4	21.06	8.81	426	7.77	3.1						19.93	8.46	433	5.92	53.3					
	5	21.05	8.81	426	7.8	3						19.87	8.42	433	5.56	58.5					
	6	20.98	8.79	427	7.4	3.8															
	7	20.74	8.68	429	5.84	7.5															
	8	20.69	8.65	429	5.76	7.8															
	9	20.67	8.64	429	5.71	8.7															
	10	20.66	8.64	429	5.7	8.5															
	11	20.65	8.64	430	5.67	8.9															
2-Aug-01	0.3	21.89	8.8	418	10.22	4.8						21	8.58	418	8.08	29.3	18.18	8.35	366	7.16	53
	1	21.77	8.86	418	10.34	8						21	8.58	418	7.97	26.3	18.13	8.35	366	7.14	65
	2	21.66	8.86	417	10.14	7.4						20.98	8.56	419	7.63	32.7	18.13	8.35	366	7.14	80
	3	21.48	8.77	419	8.92	6						20.68	8.44	419	6.45	401					
	4	21.43	8.77	420	8.84	5.5						19.01	8.15	415	4.32	1770					
	5	21.28	8.76	420	8.78	5.8															
	6	21.2	8.76	419	8.79	7.9															
	7	21.19	8.76	420	8.78	5.6															
	8	21.16	8.75	420	8.71	8															
	9	20.9	8.69	421	7.79	14.4															
8-Aug-01	0.3	22.95	8.84	422	10.5	6	21.69	8.55	423	8.19	8.2	22.32	8.43	430	7.58	26.7					
	1	22.95	8.84	422	10.48	1.1	21.7	8.55	423	8.19	7.9	22.33	8.42	430	7.47	26.9					
	2	22.95	8.84	422	10.47	5.8	21.7	8.55	423	8.17	7.3	22.26	8.38	432	6.89	29.6					
	3	22.93	8.83	422	10.33	3	21.65	8.55	424	8.05	8.2	21.45	8.07	442	3.91	48.1					
	4	22.47	8.72	423	8.78	7.4	21.57	8.52	424	7.61	7.9										
	5	21.89	8.69	423	8.44	2.6	21.48	8.49	425	7.23	9.4										
	6	21.46	8.56	426	6.43	2.7															
	7	21.28	8.55	426	6.21	3.4															
	8	21.09	8.49	427	5.46	5.5															
	9	21.08	8.49	427	5.45	5.8															

Table B-3. Continued.

Date	Depth (meters)	Dam					Fenstermaker Point					Little Hole Draw Point					County Boundary Point				
		Temp (°C)	pH	Cond (µS/cm)	DO (mg/l)	Turb (NTU)	Temp (°C)	pH	Cond (µS/cm)	DO (mg/l)	Turb (NTU)	Temp (°C)	pH	Cond (µS/cm)	DO (mg/l)	Turb (NTU)	Temp (°C)	pH	Cond (µS/cm)	DO (mg/l)	Turb (NTU)
4-Jun-02	0.3	17.4	8.72	461	9.8	0	17.94	8.81	460	10.4	0	18.19	8.43	462	7.37	0	18.65	8.67	448	9.63	0
	1	17.15	8.73	461	9.81	0	16.55	8.82	460	10.64	0	17.83	8.42	461	7.34	0	18.41	8.67	449	9.7	0.2
	2	16.25	8.74	461	10.01	0	15.81	8.83	459	10.83	0	17.49	8.41	461	7.36	0	18.23	8.64	452	9.48	0.1
	3	15.25	8.78	460	10.22	0	15.55	8.83	459	10.82	0	17.37	8.41	460	7.36	0	18.17	8.63	453	9.3	0
	4	15.23	8.78	460	10.25	0	15.41	8.82	459	10.76	0	17.28	8.41	460	7.36	0	18.12	8.64	451	9.23	0.4
	5	15.21	8.78	460	10.25	0	15.34	8.81	459	10.57	0	17.26	8.4	460	7.33	0	18.11	8.63	451	9.21	0.6
	6	15.2	8.78	460	10.22	0	15.29	8.78	460	10.25	0	17.17	8.4	460	7.29	0	18.09	8.61	451	9.2	0.9
	7	14.92	8.78	460	10.28	0	15.03	8.71	461	9.52	0	17.15	8.39	460	7.3	0					
	8	14.88	8.76	461	9.97	0	14.88	8.67	461	8.92	0	17.14	8.39	460	7.3	0					
	9	14.84	8.74	461	9.69	0	14.76	8.67	462	8.99	0	17.04	8.4	460	7.33	0					
	10	14.75	8.72	462	9.42	0	14.53	8.64	463	8.73	0										
	11	14.68	8.74	461	9.71	0	14.5	8.62	463	8.63	0										
	12	14.58	8.74	462	9.68	0	14.31	8.6	464	8.65	0										
	13	14.41	8.73	462	9.51	0	13.55	8.52	466	7.49	0										
	14	14.38	8.73	463	9.49	0															
	15	14.37	8.72	463	9.44	0															
	16	14.27	8.69	464	9.16	0.5															
20-Jun-02	0.3	17.26	8.63	462	9.19	0						17.82	8.85	457	11.24	0	18.3	8.95	437	11.4	0
	1	17.26	8.63	462	9.19	0						17.82	8.85	457	11.21	0	18.3	8.95	437	11.39	0
	2	17.25	8.63	462	9.17	0						17.8	8.84	457	11.19	0	18.29	8.95	437	11.36	0
	3	17.24	8.63	462	9.17	0						17.83	8.84	457	11.2	0	18.29	8.95	438	11.29	0
	4	17.25	8.63	462	9.16	0						17.78	8.82	457	11	0	18.22	8.93	441	11.23	0
	5	17.24	8.63	462	9.15	0						17.69	8.8	458	10.85	0	18.17	8.92	443	11.07	0
	6	17.24	8.62	462	9.14	0						17.54	8.76	459	10.41	0	18.05	8.88	447	10.87	0
	7	17.23	8.62	462	9.11	0						17.18	8.69	459	9.76	0	17.61	8.84	454	10.65	0.4
	8	17.23	8.62	462	9.11	0						17.13	8.66	459	9.54	0					
	9	17.23	8.61	462	9.1	0															
	10	17.21	8.61	462	9.02	0															
	11	17.17	8.6	462	9	0															
	12	17.09	8.57	462	8.82	0															
	13	17.04	8.55	462	8.68	0															
	14	16.69	8.49	464	8.12	0															
	15	16.62	8.48	464	8.01	0															
2-Jul-02	0.3	19.29	8.46	471	5.69	0	22.11	8.87	465	8.75	0	20.54	8.85	451	8.21	0	21.13	8.65	472	7.34	10.6
	1	18.38	8.5	470	5.92	0	21.03	8.9	464	8.95	0	20.56	8.84	451	8.2	0	21.13	8.66	473	7.3	11.3
	2	18.36	8.49	470	6	0	20.77	8.94	463	9.18	0	20.56	8.84	451	8.19	0	21.12	8.67	472	7.29	11.7
	3	18.11	8.48	470	5.76	0	20.55	8.91	464	8.84	0	20.54	8.84	451	8.16	0	21.13	8.68	473	7.3	11.2
	4	17.6	8.38	471	4.62	0	20.4	8.92	464	8.92	0	20.54	8.88	451	8.15	0	21.11	8.69	471	7.29	13.2
	5	17.5	8.29	473	3.52	0	20.21	8.86	465	8.02	0	20.53	8.83	451	8.14	0	21.07	8.75	467	7.4	12.6
	6	17.42	8.25	473	3.1	0	20.11	8.85	465	7.99	0	20.49	8.81	450	8.11	0.1	21.04	8.77	465	7.4	15
	7	17.33	8.21	473	2.32	0	20.05	8.87	464	8.26	0	20.47	8.8	450	8.09	0					
	8	17.28	8.17	474	2.07	0	20.02	8.87	465	8.27	0	20.47	8.7	450	8.1	0					
	9	17.11	8.19	474	2.01	0	19.98	8.86	465	8.14	0										
	10	17.11	8.19	474	2.02	0	19.96	8.85	465	8.08	0										
	11	17.11	8.2	475	1.89	0	19.87	8.85	465	8.06	0.1										
	12	17.09	8.22	475	1.83	0															
	13	17.08	8.23	475	1.81	0															
15 Jul 02 ¹	0.3	24.3	8.78	357	8.46	0	23.54	8.73	359	8.25	0	23.67	8.52	363	6.59	2.9	23.99	8.29	317	6.94	7.7
	1	24.07	8.78	357	8.48	3.2	23.53	8.73	359	8.22	0	23.62	8.52	363	6.58	1.3	23.99	8.29	317	6.92	7.9
	2	23.67	8.72	358	7.73	1.5	23.5	8.72	359	8.16	0	23.59	8.51	362	6.59	0	24.01	8.3	317	6.9	8.3
	3	23.56	8.65	360	6.87	0	23.44	8.7	360	7.99	0	23.52	8.51	362	6.67	1.6	24.01	8.31	317	6.9	8.3
	4	23.04	8.5	362	5.4	0	23.43	8.69	360	7.87	0	23.5	8.5	362	6.69	1.5	23.96	8.32	318	6.84	8.5
	5	22.34	8.39	364	4.2	0	23.4	8.68	360	7.71	0	23.48	8.49	362	6.76	1					
	6	21.61	8.26	365	3.07	0	23.35	8.66	360	7.45	0										
	7	21.58	8.26	365	3.11	0	23.25	8.65	361	7.28	0										
	8	21.49	8.24	366	2.93	0	23.09	8.6	361	7.02	0										
	9	21.15	8.16	366	2.3	0	22.56	8.41	364	5.01	0										
	10	20.95	8.13	366	2	0															
	11	20.83	8.11	367	1.75	0															
31-Jul-02	0.3	22	8.76	457	9.45	14.6															
	1	22.02	8.74	457	9.27	5															
	2	22.02	8.73	457	9.13	3															
	3	22.02	8.73	457	9.26	4.3															
	4	22.02	8.74	457	9.16	5															
	5	22	8.71	457	9.05	4															
	6	21.95	8.6	457	8.35	3															
	7	21.54	8.44	462	6.16	0															
	8	21.4	8.44	461	6.02	1															
	9	21.37	8.43	461	5.98	1.9															

Table B-3. Continued.

Date	Depth (meters)	Dam					Fenstermaker Point					Little Hole Draw Point					County Boundary Point				
		Temp (°C)	pH	Cond (μ S/cm)	DO (mg/l)	Turb (NTU)	Temp (°C)	pH	Cond (μ S/cm)	DO (mg/l)	Turb (NTU)	Temp (°C)	pH	Cond (μ S/cm)	DO (mg/l)	Turb (NTU)	Temp (°C)	pH	Cond (μ S/cm)	DO (mg/l)	Turb (NTU)
28-May-03	0.3	16.86	8.71	452	9.8							16.69	8.39	458	7.97		19.36	8.72	423	10.82	
	1	16.83	8.71	452	9.81							16.68	8.39	458	7.96		19.38	8.72	423	10.8	
	2	16.83	8.71	452	9.8							16.68	8.39	458	7.96		19.33	8.72	424	10.76	
	3	16.81	8.71	452	9.8							16.64	8.39	458	7.94		19.18	8.7	426	10.61	
	4	16.77	8.71	452	9.81							16.58	8.39	458	7.92		18.83	8.67	432	10.48	
	5	16.7	8.71	452	9.82							16.51	8.39	458	7.86		17.87	8.66	428	10.38	
	6	16.65	8.71	452	9.84							16.1	8.36	458	7.7		16.82	8.49	445	9.45	
	7	16.57	8.72	452	9.86							15.28	8.36	458	7.52		15.92	8.33	450	8.35	
	8	14.53	8.71	451	10.22							14.52	8.32	459	7.11		15.62	8.28	451	8.24	
	9	13.77	8.69	451	10.16							14.39	8.29	459	6.71						
	10	12.75	8.67	450	9.96							13.66	7.94	471	4.11						
	11	11.91	8.56	452	8.96																
	12	11.81	8.57	451	9.02																
	13	11.8	8.56	452	8.93																
	14	11.67	8.54	452	8.71																
	15	11.56	8.51	452	8.41																
	16	11.47	8.47	452	8.28																
9-Jun-03 ²	0.3	17.74	8.5	460	8.12							17.96	8.48	452	7.15		18.24	8.67	387	8.02	
	1	17.74	8.49	459	8.12							17.96	8.47	452	7.18		18.28	8.67	387	8.02	
	2	17.73	8.5	460	8.12							17.95	8.48	452	7.21		18.27	8.67	387	8.04	
	3	17.72	8.5	459	8.08							17.85	8.47	452	7.29		18.28	8.68	387	8.03	
	4	17.69	8.5	460	8.08							17.72	8.48	454	7.09		18.28	8.68	387	8.01	
	5	17.54	8.48	460	8.12							17.52	8.46	455	6.97		18.27	8.66	384	7.96	
	6	17.11	8.47	460	7.98							17.18	8.43	459	6.78		18.26	8.68	383	7.96	
	7	16.96	8.47	460	8.04							16.63	8.38	462	6.53		18.23	8.69	383	7.89	
	8	16.87	8.46	460	7.97							16.56	8.39	462	6.43						
	9	16.82	8.47	460	8.05																
	10	16.79	8.47	460	8.11																
	11	16.78	8.48	460	8.15																
	12	16.64	8.46	460	7.81																
	13	16.58	8.44	461	7.68																
	14	16.58	8.44	460	7.74																
	15	16.55	8.44	460	7.73																
26-Jun-03	0.3	18.52	8.52	464	7.91	0	18.23	8.45	464	7.33	0	18.14	8.44	462	7.43	0.7	16.02	8.46	356	9.3	1.9
	1	18.47	8.52	464	7.81	0	18.23	8.45	465	7.34	0	18.07	8.43	462	7.31	0.9	16.01	8.45	356	9.4	2.1
	2	18.27	8.51	463	7.76	0	18.2	8.45	464	7.13	0	17.79	8.42	462	7.25	0.6	16.01	8.48	358	9.56	2.2
	3	18.22	8.5	464	7.67	0	18.16	8.44	464	7.3	0	17.77	8.42	462	7.16	0.5	15.75	8.62	374	10.25	6.4
	4	18.2	8.5	464	7.55	0	18.14	8.44	464	7.18	0	17.73	8.4	461	6.99	0.7	14.86	8.52	382	9.85	7
	5	18.17	8.49	464	7.44	0	18.08	8.41	464	6.9	0	17.6	8.35	461	6.57	1.3	14.62	8.54	388	9.58	7
	6	18.15	8.48	464	7.41	0	18.05	8.39	464	6.82	0	17.58	8.33	462	6.31	1.4					
	7	18.12	8.47	464	7.35	0.2	18.02	8.39	465	6.76	0.1	17.48	8.12	456	4.26	8.8					
	8	18.06	8.46	464	7.23	0	17.98	8.38	465	6.67	0										
	9	18	8.44	464	7.08	0	17.96	8.37	466	6.62	0.4										
	10	17.94	8.43	464	6.99	0.3	17.93	8.37	466	6.61	1										
	11	17.92	8.41	465	6.85	0.5															
	12	17.9	8.4	465	6.68	1															
	13	17.87	8.38	465	6.66	0.7															
	14	17.87	8.38	465	6.66	0.7															
	15	17.87	8.38	465	6.66	0.7															
11-Jul-03	0.3	21.87	8.69	456		0.4											20	8.43	348		9.1
	1	21.87	8.69	456		1.1											20.01	8.42	348		9.8
	1.5																20.03	8.42	348		9.7
	2	21.86	8.69	456		0.3															
	3	21.83	8.68	456		1.4															
	4	21.8	8.66	456		0.8															
	5	21.78	8.66	456		0.5															
	6	21.72	8.62	457		0.6															
	7	21.6	8.59	457		2.7															
	8	21.56	8.58	457		3.3															
23-Jul-03	0.3	24.78	8.71	440	8.86	2.4	24.72	8.84	436	10.37	12.1	24.61	8.48	425	7.4	6.7					
	1	24.77	8.71	440	8.84	1.9	24.71	8.84	436	10.33	6.1	24.6	8.48	425	7.36	8.1					
	2	24.66	8.7	440	8.69	4.7	24.68	8.83	436	10.2	6.9	24.61	8.48	425	7.37	7.6					
	3	23.83	8.63	439	8.18	2.4	24.59	8.78	437	9.54	15.8	24.6	8.45	421	7.29	7					
	4	23.56	8.51	437	7.28	1.9	24.46	8.69	437	8.16	7.5										
	5	23.37	8.36	428	5.95	0.8	24.11	8.61	431	7.6	0.9										
	6	23.24	8.3	421	5.57	0.7	23.94	8.52	428	6.66	6										
	7	23.08	8.2	420	4.72	0.7	23.74	8.38	428	5.27	9										
	8	22.76	8.03	423	3.37	1															
	9	22.48	7.97	430	2.67	1															
5-Aug-03	0.3	23.22	8.48	403	7.53	10	22.94	8.48	384	7.29	17	21.16	8.42	347	8.58	30					
	1	23.2	8.48	403	7.44	11	22.95	8.47	384	7.29	14	21.16	8.41	347	8.56	30.2					
	2	23.21	8.48	403	7.49	13.1	22.94	8.46	384	7.41	14.2	21.16	8.38	347	8.64	31					
	3	23.21	8.47	403	7.4	8.7	22.96	8.46	384	7.47	10.6										
	4	23.21	8.47	403	7.41	14.2	22.96	8.44	384	7.91	28										
	5	23.2	8.47	402	7.43	7.1															
	6	23.17	8.46	403	7.39	5.9															
	7	23.2	8.45	402	7.52	6.5															

¹turbidity had not been calibrated recently and conductivity was only calibrated with 447 μ S/cm instead of 1000 μ S/cm resulting in conductivity levels below what was normally observed²recalibrated barometric pressure, difference was approximately 5 mm (sonde was reading about 5 mm high)

Table B-4. DEQ Secchi disk data, May 2001 to August 2003.

Date	Elevation at forebay (ft)	Storage capacity (acre-feet)	Percent full ¹	Depth (m)			
				Dam	Fenstermaker Point	Little Hole Draw Point	County Boundary Pt
11 May 01	4351.6	1,508,449	90.3%	1.1		1.1	1.1
23-May-01	4348.4	1,335,724	79.9%	3.5		6	6.5
6-Jun-01	4344.3	1,128,509	67.5%	3.9			1.9
20-Jun-01	4340.5	958,014	57.3%	6.8		3.4	1.1
3-Jul-01	4335.4	749,628	44.9%	6.1		2.9	0.9
12-Jul-01	4332.1	633,090	37.9%	5.25		0.95	0.3
19-Jul-01	4330.1	566,095	33.9%	3.9			
25-Jul-01	4327.8	495,087	29.6%	2.3		0.4	0.4
2-Aug-01	4324.0	389,744	23.3%	2.2		0.5	0.5
8-Aug-01	4321.0	312,849	18.7%	2.4	1.7	0.9	
4-Jun-02	4344.1	1,120,335	67.0%	2.1	2.25	8.3	1.95
20-Jun-02	4339.9	932,542	55.8%	4.5		5.5	1.9
2-Jul-02	4335.6	757,527	45.3%	6.2	4	4	0.8
15-Jul-02	4329.4	545,684	32.7%	2.3	1.9	1.5	0.6
31-Jul-02	4323.7	380,378	22.8%	1.6			
28-May-03	4343.5	1,093,096	65.4%	4.5		7.5	3.5 ²
9-Jun-03	4339.9	932,141	55.8%	5		6.5	3.5
26-Jun-03	4333.6	685,208	41.0%	6	6	4	1.6
11-Jul-03	4326.9	469,218	28.1%	3.1			0.8
23-Jul-03	4322.1	341,203	20.4%	3	1.75	1.25	
5-Aug-03	4318.0	246,330	14.7%	2	0.8	0.5	

¹based on full storage capacity of 1,671,300 acre-feet at 4,354.5 ft elevation (from Bureau of Reclamation website a)

²estimate

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Table B-5. Results of phytoplankton sampling by DEQ in American Falls Reservoir in 2001. The following columns, common to all samples, were left out of the table: calculation type = phytoplankton - grab, replicate = 1, fraction = none, biovolume = no, taxa level = species, organism = algae, habitat=freshwater.

Site	Sample date	Taxa identification	Division	Class	Order	Family	Genus	Species	Variety	Morph	Coloniality	Customer requested units	Concentration	Relative concentration	Algal cell concentration	Relative algal cell concentration
Dam	6/6/2001	3069	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	rostratiformis			Cell-Motile	Cells/ml	19.0697	0.04837584	19.0697	0.04797571
Dam	6/6/2001	3015	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	erosa			Cell-Motile	Cells/ml	6.5757	0.01668118	6.5757	0.0165432
Dam	6/6/2001	2071	Chlorophyta	Chlorophyceae	Chlorococcales	Characiaceae	Characium	linneum			Cell-Nonmotile	Cells/ml	0.6576	0.00166819	0.6576	0.0016544
Dam	6/6/2001	2462	Chlorophyta	Chlorophyceae	Chlorococcales	Oocystaceae	Quadrifida	lacustris			Colonial-Nonmotile	Cells/ml	1.3151	0.00333613	3.9454	0.00992587
Dam	6/6/2001	1115	Bacillariophyta	Bacillariophyceae	Cymbellales	Cymbellaceae	Cymbella	minuta			Cell-Nonmotile	Cells/ml	0.6576	0.00166819	0.6576	0.0016544
Dam	6/6/2001	101330	Chlorophyta	Chlorophyceae	Ulotrichales	Ulotrichaceae	Geminella	interrupta			Filament	Cells/ml	0.6576	0.00166819	1.3151	0.00330854
Dam	6/6/2001	1214	Bacillariophyta	Bacillariophyceae	Naviculales	Naviculaceae	Navicula	cryptocapula			Cell-Motile	Cells/ml	0.6576	0.00166819	0.6576	0.0016544
Dam	6/6/2001	3043	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Rhodomonas	minuta		nanoplankton	Cell-Motile	Cells/ml	43.4057	0.11011119	43.4057	0.10920041
Dam	6/6/2001	2683	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae	Schroederia	judeyi		2-9.9 um spherical	Cell-Nonmotile	Cells/ml	17.3623	0.04404453	17.3623	0.04368021
Dam	6/6/2001	2491	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae	Schroederia	judeyi			Cell-Nonmotile	Cells/ml	234.3908	0.59480049	234.3908	0.58985227
Dam	6/6/2001	4285	Cyanophyta	Cyanophyceae	Chroococcales	Chroococcaceae				>1 um spherical	Cell-Nonmotile	Cells/ml	17.3623	0.04404453	17.3623	0.04368021
Dam	6/6/2001	7140	Miscellaneous							Microflagellate	Cell-Motile	Cells/ml	26.0434	0.06606666	26.0434	0.0655202
Dam	6/6/2001	2492	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae	Schroederia	setigera			Cell-Nonmotile	Cells/ml	17.3623	0.04404453	17.3623	0.04368021
Dam	6/6/2001	1220	Bacillariophyta	Bacillariophyceae	Bacillariales	Bacillariaceae	Nitzschia				Cell-Motile	Cells/ml	8.6811	0.02202214	8.6811	0.02183998
Dam	6/20/2001	3069	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	rostratiformis			Cell-Motile	Cells/ml	20.4579	0.00826171	20.4579	0.00805262
Dam	6/20/2001	3043	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Rhodomonas	minuta		nanoplankton	Cell-Motile	Cells/ml	350.7065	0.14162918	350.7065	0.13804481
Dam	6/20/2001	6034	Pyrrhophyta	Dinophyceae	Gymnodinales	Gymnodiniaceae	Gymnodinium	sp. 3			Cell-Motile	Cells/ml	1.4613	0.00059013	1.4613	0.0005752
Dam	6/20/2001	2080	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Chlamydomonas				Cell-Motile	Cells/ml	1.4613	0.00059013	1.4613	0.0005752
Dam	6/20/2001	2491	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae	Schroederia	judeyi			Cell-Nonmotile	Cells/ml	70.1413	0.02832584	70.1413	0.02760896
Dam	6/20/2001	2085	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Chlamydomonas	platystigma			Cell-Motile	Cells/ml	149.0503	0.06019242	149.0503	0.05866906
Dam	6/20/2001	1328	Bacillariophyta	Fragilariophyceae	Fragilariales	Fragilariaceae	Synedra	cyclophum			Cell-Nonmotile	Cells/ml	10.2289	0.00413084	10.2289	0.00402629
Dam	6/20/2001	2492	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae	Schroederia	setigera			Cell-Nonmotile	Cells/ml	11.6902	0.00472097	11.6902	0.00460149
Dam	6/20/2001	3065	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	gracilis			Cell-Motile	Cells/ml	21.9192	0.0085184	21.9192	0.00862782
Dam	6/20/2001	2082	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Chlamydomonas	globosa			Cell-Motile	Cells/ml	2.9226	0.00118026	2.9226	0.00115039
Dam	6/20/2001	3015	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	erosa			Cell-Motile	Cells/ml	4.3838	0.00177035	4.3838	0.00172555
Dam	6/20/2001	2462	Chlorophyta	Chlorophyceae	Tetrasporales	Palmeriellaceae	Sphaerocystis	lacustris			Colonial-Nonmotile	Cells/ml	2.9226	0.00118026	2.9226	0.00115039
Dam	6/20/2001	2540	Chlorophyta	Chlorophyceae	Ulotrichales	Ulotrichaceae	Liothrix	schroeteri			Colonial-Nonmotile	Cells/ml	2.9226	0.00118026	23.3804	0.00920207
Dam	6/20/2001	10220	Cyanophyta	Cyanophyceae	Nostocales	Nostocaceae	Anabaena	augustalis			Filament	Cells/ml	1.4613	0.00059013	23.3804	0.00920297
Dam	6/20/2001	4285	Cyanophyta	Cyanophyceae	Chroococcales	Chroococcaceae				>1 um spherical	Cell-Nonmotile	Cells/ml	17.18.8658	0.69414612	17.18.8658	0.67657858
Dam	6/20/2001	1446	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Stephanodiscaceae	Stephanodiscus	parvus	1		Cell-Nonmotile	Cells/ml	52.0868	0.02103471	52.0868	0.02050236
Dam	6/20/2001	2683	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae				2-9.9 um spherical	Cell-Nonmotile	Cells/ml	52.0868	0.02103471	52.0868	0.02050236
Dam	7/3/2001	2085	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Chlamydomonas	platystigma			Cell-Motile	Cells/ml	30.4766	0.02888139	30.4766	0.01988198
Dam	7/3/2001	1328	Bacillariophyta	Fragilariophyceae	Fragilariales	Fragilariaceae	Synedra	cyclophum			Cell-Nonmotile	Cells/ml	8.4073	0.00796724	8.4073	0.00548466
Dam	7/3/2001	2492	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae	Schroederia	setigera			Cell-Nonmotile	Cells/ml	2.1018	0.00199179	2.1018	0.00137115
Dam	7/3/2001	10220	Cyanophyta	Cyanophyceae	Nostocales	Nostocaceae	Anabaena	augustalis			Complex-Filament	Cells/ml	1.0509	0.00099589	42.0367	0.02742342
Dam	7/3/2001	3015	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	erosa			Cell-Motile	Cells/ml	24.1711	0.02290593	24.1711	0.01576847
Dam	7/3/2001	2491	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae	Schroederia	judeyi			Cell-Nonmotile	Cells/ml	35.7312	0.03386095	35.7312	0.02330991
Dam	7/3/2001	3069	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	rostratiformis			Cell-Motile	Cells/ml	22.0693	0.02091414	22.0693	0.01439732
Dam	7/3/2001	1127	Chrysophyta	Chrysophyceae	Ochromonadales	Dinobryaceae	Dinobryon	divergens			Colonial-Motile	Cells/ml	1.0509	0.00099589	1.0509	0.00068557
Dam	7/3/2001	4269	Cyanophyta	Cyanophyceae	Chroococcales	Chroococcaceae	Microcystis	wesenbergii			Colonial-Nonmotile	Cells/ml	1.0509	0.00099589	420.3674	0.27423448
Dam	7/3/2001	3065	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	gracilis			Cell-Motile	Cells/ml	6.3055	0.00597546	6.3055	0.00411351
Dam	7/3/2001	8101	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Pyramiclamys	dissecta			Cell-Motile	Cells/ml	1.0509	0.00099589	1.0509	0.00068557
Dam	7/3/2001	2363	Chlorophyta	Chlorophyceae	Chlorococcales	Oocystaceae	Oocystis	parva			Colonial-Nonmotile	Cells/ml	1.0509	0.00099589	2.1018	0.00137115
Dam	7/3/2001	2082	Chlorophyta	Chlorophyceae	Chlorococcales	Chlamydomonadaceae	Chlamydomonas	globosa			Cell-Motile	Cells/ml	2.1018	0.00199179	2.1018	0.00137115
Dam	7/3/2001	8011	Chlorophyta	Chlorophyceae	Actinodiscaceae	Desmourea	italica				Cell-Nonmotile	Cells/ml	1.0509	0.00099589	1.0509	0.00068557
Dam	7/3/2001	1434	Bacillariophyta	Coscinodiscophyceae	Aulacoseirales	Aulacoseiraceae	Aulacoseira	italica			Filament	Cells/ml	7.3564	0.00697135	18.3911	0.01199778
Dam	7/3/2001	1315	Bacillariophyta	Fragilariophyceae	Fragilariales	Fragilariaceae	Synedra	ulna			Cell-Nonmotile	Cells/ml	3.1528	0.00298778	3.1528	0.00205679
Dam	7/3/2001	1021	Bacillariophyta	Fragilariophyceae	Fragilariales	Fragilariaceae	Asterionella	formosa			Colonial-Nonmotile	Cells/ml	1.0509	0.00099589	3.1528	0.00205679
Dam	7/3/2001	2369	Chlorophyta	Chlorophyceae	Chlorococcales	Oocystaceae	Oocystis	lacustris			Colonial-Nonmotile	Cells/ml	1.0509	0.00099589	4.2037	0.00274236
Dam	7/3/2001	3043	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Rhodomonas	minuta		nanoplankton	Cell-Motile	Cells/ml	339.3571	0.32159441	339.3571	0.22138591
Dam	7/3/2001	2683	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae				2-9.9 um spherical	Cell-Nonmotile	Cells/ml	367.6368	0.34839389	367.6368	0.2398347
Dam	7/3/2001	1731	Chrysophyta	Chrysophyceae	Ochromonadales	Ochromonadaceae	Erkenia	subaequiciliata			Cell-Motile	Cells/ml	197.9583	0.18759673	197.9583	0.12914177
Dam	7/12/2001	3015	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	erosa			Cell-Motile	Cells/ml	18.9165	0.02300526	18.9165	0.014507
Dam	7/12/2001	6034	Pyrrhophyta	Dinophyceae	Gymnodinales	Gymnodiniaceae	Gymnodinium	sp. 3			Cell-Motile	Cells/ml	0.4204	0.00051127	0.4204	0.0003224
Dam	7/12/2001	3065	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	gracilis			Cell-Motile	Cells/ml	9.0079	0.01095494	9.0079	0.00690813
Dam	7/12/2001	3069	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	rostratiformis			Cell-Motile	Cells/ml	9.0079	0.01095494	9.0079	0.00690813
Dam	7/12/2001	2462	Chlorophyta	Chlorophyceae	Chlorococcales	Oocystaceae	Quadrifida	lacustris			Colonial-Nonmotile	Cells/ml	0.2102	0.00025563	0.8407	0.00064473
Dam	7/12/2001	4041	Cyanophyta	Cyanophyceae	Nostocales	Nostocaceae	Aphanizomenon	flos-aquae			Multi-Filament	Cells/ml	5.0444	0.00613474	96.6549	0.07412431
Dam	7/12/2001	1434	Bacillariophyta	Coscinodiscophyceae	Aulacoseirales	Aulacoseiraceae	Aulacoseira	italica			Filament	Cells/ml	10.5092	0.01278074	134.7803	0.10336254
Dam	7/12/2001	9397	Bacillariophyta	Fragilariophyceae	Fragilariales	Fragilariaceae	Frugiliana	capucina	vaucheriae		Lateral-Filament	Cells/ml	0.4204	0.00051127	0.8407	0.00064473
Dam	7/12/2001	2361	Chlorophyta	Chlorophyceae	Chlorococcales	Hydrodictyonaceae	Pediastrum				Colonial-Nonmotile	Cells/ml	2.7324	0.003323	91.0795	0.06984855
Dam	7/12/2001	10220	Cyanophyta	Cyanophyceae	Nostocales	Nostocaceae	Anabaena	augustalis			Complex-Filament	Cells/ml	2.9426	0.00357864	59.1784	0.04538371
Dam	7/12/2001	2491	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae	Schroederia	judeyi			Cell-Nonmotile	Cells/ml	50.9036	0.0619063	50.9036	0.03903779
Dam	7/12/2001	2492	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae	Schroederia	setigera			Cell-Nonmotile	Cells/ml	0.8407	0.00102242	0.8407	0.00064473
Dam	7/12/2001	8332	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae	Tetradon	multum			Cell-Nonmotile	Cells/ml	1.0509	0.00127805	1.0509	0.00080593
Dam	7/12/2001	9818	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Stephanodiscaceae	Stephanodiscus	medius			Cell-Nonmotile	Cells/ml	0.4204	0.00051127	0.4204	0.0003224
Dam	7/12/2001	1328	Bacillariophyta	Fragilariophyceae	Fragilariales	Fragilariaceae	Synedra	cyclophum			Cell-Nonmotile	Cells/ml	0.4204	0.00051127	0.4204	0.0003224
Dam	7/12/2001	9687	Bacillariophyta	Bacillariophyceae	Naviculales	Naviculaceae	Navicula	viridula	germanii		Cell-Motile	Cells/ml	0.2102	0.00025563	0.2102	0.0001612
Dam	7/12/2001	4011	Cyanophyta	Cyanophyceae	Nostocales	Nostocaceae	Anabaena	circinalis			Complex-Filament	Cells/ml	1.4713	0.00178932	59.1457	0.04535863
Dam	7/12/2001	2369	Chlorophyta	Chlorophyceae	Chlorococcales	Oocystaceae	Oocystis	lacustris			Colonial-Nonmotile	Cells/ml	0.2102	0.00025563	0.2102	0.0001612
Dam	7/12/2001	1152	Bacillariophyta	Fragilariophyceae	Fragilariales	Fragilariaceae	Frugiliana	crotonensis			Lateral-Filament	Cells/ml	2.1018	0.0025561	9.9837	0.00765646
Dam	7/12/2001	1220	Bacillariophyta	Bacillariophyceae	Bacillariales	Bacillariaceae	Nitzschia				Cell-Motile	Cells/ml	0.2102	0.00025563	0.2102	0.0001612

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Table B-5. Continued.

Site	Sample date	Taxa identification	Division	Class	Order	Family	Genus	Species	Variety	Morph	Coloniality	Customer requested units	Concentration	Relative concentration	Algal cell concentration	Relative algal cell concentration
Dam	7/12/2001	1271	Bacillariophyta	Bacillariophyceae	Cymbellales	Rhoicospheniaceae	Rhoicosphenia	curvata			Cell-Nonmotile	Cells/ml	0.2102	0.00025563	0.2102	0.0001612
Dam	7/12/2001	1021	Bacillariophyta	Frugilariophyceae	Frugilariales	Frugilariaceae	Asterionella	formosa			Colonial-Nonmotile	Cells/ml	0.4204	0.00051127	0.6306	0.0004836
Dam	7/12/2001	9045	Bacillariophyta	Frugilariophyceae	Frugilariales	Frugilariaceae	Frugilaria	constans			Lateral-Filament	Cells/ml	0.4204	0.00051127	3.9234	0.00300884
Dam	7/12/2001	3043	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Rhodomonas	minuta		nannoplantica	Cell-Motile	Cells/ml	330.8731	0.40239058	330.8731	0.25374543
Dam	7/12/2001	2861	Chlorophyta	Prasinophyceae	Prasinocladales	Pedinomonadaceae	Monomastix	astigmata			Cell-Motile	Cells/ml	76.3553	0.09285933	76.3553	0.05855661
Dam	7/12/2001	7140	Miscellaneous							Microflagellate	Cell-Motile	Cells/ml	16.9679	0.02063547	16.9679	0.01301262
Dam	7/12/2001	2683	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae				2.9-9 um spherical	Cell-Nonmotile	Cells/ml	76.3553	0.09285933	76.3553	0.05855661
Dam	7/12/2001	4321	Cyanophyta	Cyanophyceae	Chroococcales	Chroococcaceae	Synechococcus	elongatus			Cell-Nonmotile	Cells/ml	178.1625	0.21667193	178.1625	0.1366322
Dam	7/12/2001	4285	Cyanophyta	Cyanophyceae	Chroococcales	Chroococcaceae				>1 um spherical	Cell-Nonmotile	Cells/ml	16.9679	0.02063547	16.9679	0.01301262
Dam	7/12/2001	4264	Cyanophyta	Cyanophyceae	Chroococcales	Chroococcaceae	Microcystis	aeruginosa			Colonial-Nonmotile	Cells/ml	0	0	50.9036	0.03903779
Dam	7/12/2001	2082	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Chlamydomonas	globosa			Cell-Motile	Cells/ml	8.4839	0.01031768	8.4839	0.00650627
Dam	7/19/2001	3065	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	gracilis			Cell-Motile	Cells/ml	11.7703	0.02060999	11.7703	0.00740548
Dam	7/19/2001	4041	Cyanophyta	Cyanophyceae	Nostocales	Nostocaceae	Aphanizomenon	flos-aquae			Multi-Filament	Cells/ml	42.4571	0.07434308	746.2134	0.46949238
Dam	7/19/2001	2381	Chlorophyta	Chlorophyceae	Chlorococcales	Hydrodictyceae	Pediastrum				Colonial-Nonmotile	Cells/ml	3.3629	0.00588849	146.7082	0.09230387
Dam	7/19/2001	3015	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	erosa			Cell-Motile	Cells/ml	10.0888	0.01766565	10.0888	0.00634753
Dam	7/19/2001	2641	Chlorophyta	Chlorophyceae	Tetrasporales	Palmellopsidaceae	Sphaerocystis	schroeteri			Colonial-Nonmotile	Cells/ml	0.8407	0.00147208	6.7259	0.00423171
Dam	7/19/2001	1293	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Stephanodiscaceae	Stephanodiscus	niagarae			Cell-Nonmotile	Cells/ml	1.2611	0.00220821	1.2611	0.00079344
Dam	7/19/2001	1434	Bacillariophyta	Coscinodiscophyceae	Aulacoseirales	Aulacoseiraceae	Aulacoseira	italica			Filament	Cells/ml	1.2611	0.00220821	5.4647	0.00343821
Dam	7/19/2001	1315	Bacillariophyta	Frugilariophyceae	Frugilariales	Frugilariaceae	Synedra	ulna			Cell-Nonmotile	Cells/ml	0.4204	0.00073613	0.4204	0.0002645
Dam	7/19/2001	2491	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae	Schroederia	judayi			Cell-Nonmotile	Cells/ml	1.2611	0.00220821	1.2611	0.00079344
Dam	7/19/2001	2085	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Chlamydomonas	platystigma			Cell-Motile	Cells/ml	0.8407	0.00147208	0.8407	0.00052894
Dam	7/19/2001	4172	Cyanophyta	Cyanophyceae	Oscillatoriales	Oscillatoriaceae	Oscillatoria	limnetica			Filament	Cells/ml	0.4204	0.00073613	5.3501	0.0033661
Dam	7/19/2001	3069	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	rostratiformis			Cell-Motile	Cells/ml	1.6815	0.00294433	1.6815	0.00105794
Dam	7/19/2001	8011	Chlorophyta	Chlorophyceae	Chlorococcales	Actinodiscaceae	Deasonia	Gigantica			Cell-Nonmotile	Cells/ml	0.8407	0.00147208	0.8407	0.00052894
Dam	7/19/2001	2082	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Chlamydomonas	globosa			Cell-Motile	Cells/ml	0.4204	0.00073613	0.4204	0.0002645
Dam	7/19/2001	6021	Pyrrhophyta	Dinophyceae	Penidinales	Glennodiniaceae	Glennodinium	quadrident			Cell-Motile	Cells/ml	0.4204	0.00073613	0.4204	0.0002645
Dam	7/19/2001	2492	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae	Schroederia	setigera			Cell-Nonmotile	Cells/ml	0.4204	0.00073613	0.4204	0.0002645
Dam	7/19/2001	1152	Bacillariophyta	Frugilariophyceae	Frugilariales	Frugilariaceae	Frugilaria	crotoneensis			Lateral-Filament	Cells/ml	1.2611	0.00220821	26.0628	0.01639784
Dam	7/19/2001	4261	Cyanophyta	Cyanophyceae	Chroococcales	Chroococcaceae	Microcystis	aeruginosa			Colonial-Nonmotile	Cells/ml	0	0	131.386	0.08266365
Dam	7/19/2001	7140	Miscellaneous							Microflagellate	Cell-Motile	Cells/ml	101.8071	0.17826589	101.8071	0.0640536
Dam	7/19/2001	3043	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Rhodomonas	minuta		nannoplantica	Cell-Motile	Cells/ml	186.6464	0.3268209	186.6464	0.11743164
Dam	7/19/2001	2683	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae				2.9-9 um spherical	Cell-Nonmotile	Cells/ml	84.8393	0.148555	84.8393	0.05337804
Dam	7/19/2001	1446	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Stephanodiscaceae	Stephanodiscus	parvus		1	Cell-Nonmotile	Cells/ml	16.9679	0.02971107	16.9679	0.01067563
Dam	7/19/2001	1298	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Stephanodiscaceae	Stephanodiscus	parvus			Cell-Nonmotile	Cells/ml	67.8714	0.11884393	67.8714	0.0427024
Dam	7/19/2001	1731	Chrysophyta	Chrysophyceae	Ochromonadales	Ochromonadaceae	Ekenia	subaequilata			Cell-Motile	Cells/ml	33.9357	0.05942196	33.9357	0.0213512
Dam	7/25/2001	4041	Cyanophyta	Cyanophyceae	Nostocales	Nostocaceae	Aphanizomenon	flos-aquae			Multi-Filament	Cells/ml	654.5721	0.57933622	23306.7608	0.95490469
Dam	7/25/2001	3065	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	gracilis			Cell-Motile	Cells/ml	10.0087	0.00885836	10.0087	0.00041007
Dam	7/25/2001	3015	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	erosa			Cell-Motile	Cells/ml	38.0332	0.03366188	38.0332	0.00155826
Dam	7/25/2001	1434	Bacillariophyta	Coscinodiscophyceae	Aulacoseirales	Aulacoseiraceae	Aulacoseira	italica			Filament	Cells/ml	2.0017	0.00177164	9.0079	0.00036906
Dam	7/25/2001	4261	Cyanophyta	Cyanophyceae	Chroococcales	Chroococcaceae	Microcystis	aeruginosa			Colonial-Nonmotile	Cells/ml	0	0	397.3138	0.0162784
Dam	7/25/2001	2492	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae	Schroederia	setigera			Cell-Nonmotile	Cells/ml	2.0017	0.00177164	2.0017	0.00008201
Dam	7/25/2001	2641	Chlorophyta	Chlorophyceae	Tetrasporales	Palmellopsidaceae	Sphaerocystis	schroeteri			Colonial-Nonmotile	Cells/ml	2.0017	0.00177164	16.014	0.0005611
Dam	7/25/2001	6033	Pyrrhophyta	Dinophyceae	Gymnodinales	Gymnodiniaceae	Gymnodinium	sp. 2			Cell-Motile	Cells/ml	2.0017	0.00177164	2.0017	0.00008201
Dam	7/25/2001	2381	Chlorophyta	Chlorophyceae	Chlorococcales	Hydrodictyceae	Pediastrum				Colonial-Nonmotile	Cells/ml	2.0017	0.00177164	120.105	0.00492084
Dam	7/25/2001	1296	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Stephanodiscaceae	Stephanodiscus	hantzschii			Cell-Nonmotile	Cells/ml	4.0035	0.00354336	4.0035	0.00016403
Dam	7/25/2001	2491	Chlorophyta	Chlorophyceae	Frugilariales	Frugilariaceae	Schroederia	judayi			Cell-Nonmotile	Cells/ml	4.0035	0.00354336	4.0035	0.00016403
Dam	7/25/2001	1152	Bacillariophyta	Frugilariophyceae	Frugilariales	Frugilariaceae	Frugilaria	crotoneensis			Lateral-Filament	Cells/ml	2.0017	0.00177164	40.035	0.00164028
Dam	7/25/2001	3043	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Rhodomonas	minuta		nannoplantica	Cell-Motile	Cells/ml	152.7107	0.13515898	152.7107	0.00625673
Dam	7/25/2001	1298	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Stephanodiscaceae	Stephanodiscus	parvus			Cell-Nonmotile	Cells/ml	67.8714	0.06007064	67.8714	0.00278077
Dam	7/25/2001	2085	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Chlamydomonas	platystigma			Cell-Motile	Cells/ml	16.9679	0.0150177	16.9679	0.00069519
Dam	7/25/2001	2683	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae				2.9-9 um spherical	Cell-Nonmotile	Cells/ml	33.9357	0.03003532	33.9357	0.00139038
Dam	7/25/2001	1000049	Chlorophyta	Chlorophyceae	Byopsidales	Dichotomispheniaceae	Dichotomococcus	curvatus			Colonial-Nonmotile	Cells/ml	16.9679	0.0150177	67.8714	0.00278077
Dam	7/25/2001	4285	Cyanophyta	Cyanophyceae	Chroococcales	Chroococcaceae				>1 um spherical	Cell-Nonmotile	Cells/ml	118.775	0.10512366	118.775	0.00486635
Dam	8/2/2001	4261	Cyanophyta	Cyanophyceae	Chroococcales	Chroococcaceae	Microcystis	aeruginosa			Colonial-Nonmotile	Cells/ml	0	0	250.3217	0.00149838
Dam	8/2/2001	4041	Cyanophyta	Cyanophyceae	Nostocales	Nostocaceae	Aphanizomenon	flos-aquae			Multi-Filament	Cells/ml	4483.9192	0.69247014	164039.698	0.98191189
Dam	8/2/2001	3015	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	erosa			Cell-Motile	Cells/ml	56.049	0.00865588	56.049	0.0003355
Dam	8/2/2001	2082	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Chlamydomonas	globosa			Cell-Motile	Cells/ml	28.0245	0.00432794	28.0245	0.00016775
Dam	8/2/2001	2363	Chlorophyta	Chlorophyceae	Chlorococcales	Oocystaceae	Oocystis	parva			Colonial-Nonmotile	Cells/ml	18.683	0.00288529	112.098	0.000671
Dam	8/2/2001	6011	Pyrrhophyta	Dinophyceae	Gonyaulacales	Ceratium	Ceratium	hirundinella			Cell-Motile	Cells/ml	9.3415	0.00144265	9.3415	0.00005592
Dam	8/2/2001	8101	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Pyramichlamys	dissecta			Cell-Motile	Cells/ml	28.0245	0.00432794	28.0245	0.00016775
Dam	8/2/2001	3069	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	rostratiformis			Cell-Motile	Cells/ml	9.3415	0.00144265	9.3415	0.00005592
Dam	8/2/2001	4368	Cyanophyta	Cyanophyceae	Oscillatoriales	Oscillatoriaceae	Oscillatoria	amphibia			Filament	Cells/ml	9.3415	0.00144265	424.6131	0.00254166
Dam	8/2/2001	3043	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Rhodomonas	minuta		nannoplantica	Cell-Motile	Cells/ml	1085.9426	0.1677066	1085.9426	0.00850026
Dam	8/2/2001	1298	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Stephanodiscaceae	Stephanodiscus	parvus			Cell-Nonmotile	Cells/ml	407.2285	0.06288988	407.2285	0.0024376
Dam	8/2/2001	2683	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae				2.9-9 um spherical	Cell-Nonmotile	Cells/ml	135.7428	0.02096332	135.7428	0.00081253
Dam	8/2/2001	2491	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae	Schroederia	judayi			Cell-Nonmotile	Cells/ml	67.8714	0.01048166	67.8714	0.00040627
Dam	8/2/2001	8308	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmus	Scenedesmus	serrius			Colonial-Nonmotile	Cells/ml	67.8714	0.01048166	271.4856	0.00162506
Dam	8/2/2001	2884	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmus	Scenedesmus	quadrifidus			Colonial-Nonmotile	Cells/ml	67.8714	0.01048166	135.7428	0.00081253
Dam	8/8/2001	4041	Cyanophyta	Cyanophyceae	Nostocales	Nostocaceae	Aphanizomenon	flos-aquae			Multi-Filament	Cells/ml	84.0735	0.14805632	2338.773	0.77853448
Dam	8/8/2001	3015	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	erosa			Cell-Motile	Cells/ml	12.1907	0.02146824	12.1907	0.00405806
Dam	8/8/2001	4261	Cyanophyta	Cyanophyceae	Chroococcales	Chroococcaceae	Microcystis	aeruginosa			Colonial-Nonmotile	Cells/ml	0	0	160.3522	0.0533783
Dam	8/8/2001	1180	Chrysophyta	Chrysophyceae	Ochromonadales	Synechococcales	Mallomonas				Cell-Motile	Cells/ml	0.8407	0.0014805	0.8407	0.00027985
Dam	8/8/2001	2491	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae	Schroederia	judayi			Cell-Nonmotile	Cells/ml	8.4073	0.01480554		

Table B-5. Continued.

Site	Sample date	Taxa identification	Division	Class	Order	Family	Genus	Species	Variety	Morph	Coloniality	Customer requested units	Concentration	Relative concentration	Algal cell concentration	Relative algal cell concentration
County Boundary	7/25/2001	1432	Bacillariophyta	Coscinodiscophyceae	Aulacoseirales	Aulacoseiraceae	Aulacoseira	granulata			Filament	Cells/ml	19.3369	0.00208319	137.5066	0.01336432
County Boundary	7/25/2001	2021	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmus	Actinostrium	hantzschii			Cell-Nonmotile	Cells/ml	4.2037	0.00045287	23.5406	0.00228792
County Boundary	7/25/2001	2363	Chlorophyta	Chlorophyceae	Chlorococcales	Oocystaceae	Oocysts	parva			Colonial-Nonmotile	Cells/ml	0.8407	0.00009057	3.3629	0.00032684
County Boundary	7/25/2001	1434	Bacillariophyta	Coscinodiscophyceae	Aulacoseirales	Aulacoseiraceae	Aulacoseira	italica			Filament	Cells/ml	6.7259	0.00072459	24.6618	0.00239689
County Boundary	7/25/2001	2381	Chlorophyta	Chlorophyceae	Chlorococcales	Hydrodictyonaceae	Pediastrum				Colonial-Nonmotile	Cells/ml	4.2037	0.00045287	91.6401	0.00890653
County Boundary	7/25/2001	9045	Bacillariophyta	Fragilariophyceae	Fragilariales	Fragilariaceae	Fragilaria	construens			Lateral-Filament	Cells/ml	0.8407	0.00009057	11.2098	0.00108948
County Boundary	7/25/2001	2504	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmus	Selenastrum	gracile			Cell-Nonmotile	Cells/ml	0.8407	0.00009057	3.3629	0.00032684
County Boundary	7/25/2001	2641	Chlorophyta	Chlorophyceae	Tetrasporales	Palmeriellaceae	Sphaerocystis	schroeteri			Colonial-Nonmotile	Cells/ml	1.6815	0.00018115	8.4073	0.00081711
County Boundary	7/25/2001	1076	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Stephanodiscaceae	Cyclotella	meneghiniana			Cell-Nonmotile	Cells/ml	0.8407	0.00009057	0.8407	0.00008171
County Boundary	7/25/2001	1180	Chrysophyta	Chrysophyceae	Ochromonadales	Synuraeae	Mallomonas				Cell-Motile	Cells/ml	0.8407	0.00009057	0.8407	0.00008171
County Boundary	7/25/2001	9506	Bacillariophyta	Fragilariophyceae	Fragilariales	Fragilariaceae	Synedra	ulna	ulna		Cell-Nonmotile	Cells/ml	0.8407	0.00009057	0.8407	0.00008171
County Boundary	7/25/2001	1296	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Stephanodiscaceae	Stephanodiscus	hantzschii			Cell-Nonmotile	Cells/ml	0.8407	0.00009057	0.8407	0.00008171
County Boundary	7/25/2001	2462	Chlorophyta	Chlorophyceae	Chlorococcales	Oocystaceae	Quadrula	lacustris			Colonial-Nonmotile	Cells/ml	0.8407	0.00009057	3.3629	0.00032684
County Boundary	7/25/2001	3043	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Rhodomonas	minuta	nannoplantica		Cell-Motile	Cells/ml	1968.2709	0.21204491	1968.2709	0.19129696
County Boundary	7/25/2001	1298	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Stephanodiscaceae	Stephanodiscus	parvus			Cell-Nonmotile	Cells/ml	3766.8633	0.40581008	3766.8633	0.3661028
County Boundary	7/25/2001	2683	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae				2-9.9 um spherical	Cell-Nonmotile	Cells/ml	1323.4925	0.14258192	1323.4925	0.12863071
County Boundary	7/25/2001	9123	Bacillariophyta	Bacillariophyceae	Bacillariales	Bacillariaceae	Nitzschia	palea			Cell-Motile	Cells/ml	271.4856	0.02924757	271.4856	0.02638578
County Boundary	7/25/2001	1222	Bacillariophyta	Bacillariophyceae	Bacillariales	Bacillariaceae	Nitzschia	gracilis			Cell-Motile	Cells/ml	33.9357	0.00365595	33.9357	0.00329822
County Boundary	7/25/2001	1013	Bacillariophyta	Bacillariophyceae	Achnanthes	Achnantheae	Achnanthes	minutissima			Cell-Nonmotile	Cells/ml	33.9357	0.00365595	33.9357	0.00329822
County Boundary	7/25/2001	1446	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Stephanodiscaceae	Stephanodiscus	parvus	1		Cell-Nonmotile	Cells/ml	678.7141	0.07311893	678.7141	0.06596447
County Boundary	7/25/2001	8041	Chlorophyta	Chlorophyceae	Chlorococcales	Oocystaceae	Monoraphidium	capricornutum			Cell-Nonmotile	Cells/ml	101.8071	0.01096784	101.8071	0.00989467
County Boundary	7/25/2001	1221	Bacillariophyta	Bacillariophyceae	Bacillariales	Bacillariaceae	Nitzschia	acicularis			Cell-Motile	Cells/ml	67.8714	0.00731189	67.8714	0.00659645
County Boundary	7/25/2001	8226	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmus	Scenedesmus	intermedius			Colonial-Nonmotile	Cells/ml	33.9357	0.00365595	135.7428	0.01319289
County Boundary	7/25/2001	8302	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmus	Scenedesmus	quadrifidus	longispina		Colonial-Nonmotile	Cells/ml	67.8714	0.00731189	271.4856	0.02638578
County Boundary	7/25/2001	2085	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Chlamydomonas	platystigma			Cell-Motile	Cells/ml	135.7428	0.01462378	135.7428	0.01319289
County Boundary	7/25/2001	2491	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae	Schroederia	judyi			Cell-Nonmotile	Cells/ml	237.5499	0.02559162	237.5499	0.02308756
County Boundary	7/25/2001	2031	Chlorophyta	Chlorophyceae	Chlorococcales	Oocystaceae	Ankistrodesmus	falcatus			Cell-Nonmotile	Cells/ml	33.9357	0.00365595	33.9357	0.00329822
County Boundary	7/25/2001	2082	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Chlamydomonas	globosea			Cell-Motile	Cells/ml	101.8071	0.01096784	101.8071	0.00989467
County Boundary	7/25/2001	8101	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Pyramiclamys	dissecta			Cell-Motile	Cells/ml	135.7428	0.01462378	135.7428	0.01319289
County Boundary	7/25/2001	2554	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae	Tetradon	minimum			Cell-Nonmotile	Cells/ml	33.9357	0.00365595	33.9357	0.00329822
County Boundary	7/25/2001	4321	Cyanophyta	Cyanophyceae	Chlorococcales	Chlorococcaceae	Synechococcus	elongatus			Cell-Nonmotile	Cells/ml	101.8071	0.01096784	101.8071	0.00989467
County Boundary	7/25/2001	1731	Chrysophyta	Chrysophyceae	Ochromonadales	Ochromonadaceae	Ekenia	subaequilata			Cell-Motile	Cells/ml	67.8714	0.00731189	67.8714	0.00659645
County Boundary	8/2/2001	8030	Chlorophyta	Chlorophyceae	Microspora	Microspora	Microspora				Filament	Cells/ml	37.366	0.01294401	210.1837	0.04252189
County Boundary	8/2/2001	9045	Bacillariophyta	Fragilariophyceae	Fragilariales	Fragilariaceae	Fragilaria	construens			Lateral-Filament	Cells/ml	5.6049	0.0019416	156.9372	0.03174969
County Boundary	8/2/2001	1271	Bacillariophyta	Bacillariophyceae	Cymbellales	Rhoicospheniaceae	Rhoicosphenia	curvata			Cell-Nonmotile	Cells/ml	1.8683	0.0006472	1.8683	0.00037797
County Boundary	8/2/2001	9397	Bacillariophyta	Fragilariophyceae	Fragilariales	Fragilariaceae	Fragilaria	capucina	vaucheriae		Lateral-Filament	Cells/ml	1.8683	0.0006472	29.8928	0.00604756
County Boundary	8/2/2001	1341	Bacillariophyta	Bacillariophyceae	Thalassiosirales	Catenulaceae	Amphora	ovalis			Cell-Nonmotile	Cells/ml	11.2098	0.0038832	11.2098	0.00226783
County Boundary	8/2/2001	9506	Bacillariophyta	Fragilariophyceae	Fragilariales	Fragilariaceae	Synedra	ulna	ulna		Cell-Nonmotile	Cells/ml	28.0245	0.00970801	38.5337	0.00779569
County Boundary	8/2/2001	9321	Bacillariophyta	Bacillariophyceae	Cymbellales	Gomphonemataceae	Gomphonema	herculeana			Cell-Nonmotile	Cells/ml	5.6049	0.0019416	5.6049	0.00113392
County Boundary	8/2/2001	1066	Bacillariophyta	Bacillariophyceae	Achnanthes	Cocconeidae	Cocconeis	pediculus			Cell-Nonmotile	Cells/ml	5.6049	0.0019416	5.6049	0.00113392
County Boundary	8/2/2001	1108	Bacillariophyta	Fragilariophyceae	Fragilariales	Fragilariaceae	Diatoma	vulgaris			Cell-Nonmotile	Cells/ml	14.9464	0.00517761	14.9464	0.00302378
County Boundary	8/2/2001	1021	Bacillariophyta	Fragilariophyceae	Fragilariales	Fragilariaceae	Asterionella	formosa			Colonial-Nonmotile	Cells/ml	5.6049	0.0019416	5.6049	0.00113392
County Boundary	8/2/2001	9118	Bacillariophyta	Bacillariophyceae	Bacillariales	Bacillariaceae	Nitzschia	linearis			Cell-Motile	Cells/ml	5.6049	0.0019416	5.6049	0.00113392
County Boundary	8/2/2001	9439	Bacillariophyta	Bacillariophyceae	Bacillariales	Bacillariaceae	Nitzschia	sigma			Cell-Motile	Cells/ml	1.8683	0.0006472	1.8683	0.00037797
County Boundary	8/2/2001	4041	Cyanophyta	Cyanophyceae	Nostocales	Nostocaceae	Aphanizomenon	flos-aquae			Multi-Filament	Cells/ml	1.8683	0.0006472	45.2921	0.00916297
County Boundary	8/2/2001	9212	Bacillariophyta	Bacillariophyceae	Achnanthes	Cocconeidae	Cocconeis	placentalis	lineata		Cell-Nonmotile	Cells/ml	9.3415	0.003236	9.3415	0.00188886
County Boundary	8/2/2001	2884	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmus	Scenedesmus	quadrifidus			Colonial-Nonmotile	Cells/ml	1.8683	0.0006472	7.4732	0.00151189
County Boundary	8/2/2001	3015	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	erosa			Cell-Motile	Cells/ml	5.6049	0.0019416	5.6049	0.00113392
County Boundary	8/2/2001	4421	Cyanophyta	Cyanophyceae	Oscillatoriales	Oscillatoriaceae	Lynbya	subtilis			Filament	Cells/ml	11.2098	0.0038832	1222.8869	0.2474001
County Boundary	8/2/2001	3069	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	rostratiformis			Cell-Motile	Cells/ml	1.8683	0.0006472	1.8683	0.00037797
County Boundary	8/2/2001	2590	Chlorophyta	Chlorophyceae	Ulotrichales	Ulotrichaceae	Ulothrix				Filament	Cells/ml	1.8683	0.0006472	161.9194	0.03275763
County Boundary	8/2/2001	8101	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Pyramiclamys	dissecta			Cell-Motile	Cells/ml	1.8683	0.0006472	1.8683	0.00037797
County Boundary	8/2/2001	2176	Chlorophyta	Chlorophyceae	Chlorococcales	Coelastraceae	Coelastrum	astroideum			Cell-Nonmotile	Cells/ml	1.8683	0.0006472	14.9464	0.00302378
County Boundary	8/2/2001	1862	Bacillariophyta	Bacillariophyceae	Cymbellales	Cymbellaceae	Cymbella	affinis			Cell-Nonmotile	Cells/ml	1.8683	0.0006472	1.8683	0.00037797
County Boundary	8/2/2001	1161	Bacillariophyta	Bacillariophyceae	Cymbellales	Gomphonemataceae	Gomphonema	parvulum			Cell-Nonmotile	Cells/ml	1.8683	0.0006472	1.8683	0.00037797
County Boundary	8/2/2001	9236	Bacillariophyta	Bacillariophyceae	Bacillariales	Bacillariaceae	Nitzschia	constricta			Cell-Motile	Cells/ml	1.8683	0.0006472	1.8683	0.00037797
County Boundary	8/2/2001	1293	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Stephanodiscaceae	Stephanodiscus	niagarae			Cell-Nonmotile	Cells/ml	1.8683	0.0006472	1.8683	0.00037797
County Boundary	8/2/2001	4170	Cyanophyta	Cyanophyceae	Oscillatoriales	Oscillatoriaceae	Oscillatoria				Filament	Cells/ml	1.8683	0.0006472	261.562	0.05291615
County Boundary	8/2/2001	1298	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Stephanodiscaceae	Stephanodiscus	parvus			Cell-Nonmotile	Cells/ml	1153.814	0.39969447	1153.814	0.23342608
County Boundary	8/2/2001	1369	Bacillariophyta	Bacillariophyceae	Naviculales	Naviculaceae	Navicula	pupula			Cell-Motile	Cells/ml	67.8714	0.02351144	67.8714	0.01373094
County Boundary	8/2/2001	9102	Bacillariophyta	Bacillariophyceae	Naviculales	Naviculaceae	Navicula	tripunctata			Cell-Motile	Cells/ml	67.8714	0.02351144	67.8714	0.01373094
County Boundary	8/2/2001	9123	Bacillariophyta	Bacillariophyceae	Bacillariales	Bacillariaceae	Nitzschia	palea			Cell-Motile	Cells/ml	339.3571	0.11755721	339.3571	0.08865474
County Boundary	8/2/2001	1013	Bacillariophyta	Bacillariophyceae	Achnanthes	Achnantheae	Achnanthes	minutissima			Cell-Nonmotile	Cells/ml	271.4856	0.09404574	271.4856	0.05492377
County Boundary	8/2/2001	1214	Bacillariophyta	Bacillariophyceae	Naviculales	Naviculaceae	Navicula	cryptocapitata			Cell-Motile	Cells/ml	67.8714	0.02351144	67.8714	0.01373094
County Boundary	8/2/2001	9482	Bacillariophyta	Bacillariophyceae	Naviculales	Naviculaceae	Navicula	salmunum			Cell-Motile	Cells/ml	67.8714	0.02351144	67.8714	0.01373094
County Boundary	8/2/2001	1222	Bacillariophyta	Bacillariophyceae	Bacillariales	Bacillariaceae	Nitzschia	gracilis			Cell-Motile	Cells/ml	67.8714	0.02351144	67.8714	0.01373094
County Boundary	8/2/2001	3043	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Rhodomonas	minuta	nannoplantica		Cell-Motile	Cells/ml	135.7428	0.04702287	135.7428	0.02746189
County Boundary	8/2/2001	2683	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae				2-9.9 um spherical	Cell-Nonmotile	Cells/ml	407.2285	0.14106864	407.2285	0.08238568
County Boundary	8/2/2001	1343	Bacillariophyta	Bacillariophyceae	Thalassiosirales	Catenulaceae	Amphora	pediculus			Cell-Nonmotile	Cells/ml	67.8714	0.02351144	67.8714	0.01373094

Table B-5. Continued.

Site	Sample date	Taxa identification	Division	Class	Order	Family	Genus	Species	Variety	Morph	Coloniality	Customer requested units	Concentration	Relative concentration	Algal cell concentration	Relative algal cell concentration
County Boundary	6/20/2001	9818	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Stephanodiscaceae	Stephanodiscus	medius			Cell-Nonmotile	Cells/ml	8.7677	0.00046667	8.7677	0.00044134
County Boundary	6/20/2001	3069	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	rostratiformis			Cell-Motile	Cells/ml	26.303	0.00140002	26.303	0.00132402
County Boundary	6/20/2001	1314	Bacillariophyta	Fragilariophyceae	Fragilariales	Fragilariaceae	Synedra	delicatissima			Cell-Nonmotile	Cells/ml	8.7677	0.00046667	8.7677	0.00044134
County Boundary	6/20/2001	8302	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmeceae	Scenedesmus	quadrifida	longispina		Colonial-Nonmotile	Cells/ml	8.7677	0.00046667	35.0707	0.00176536
County Boundary	6/20/2001	1315	Bacillariophyta	Fragilariophyceae	Fragilariales	Fragilariaceae	Synedra	ulna			Cell-Nonmotile	Cells/ml	17.5353	0.00093334	17.5353	0.00088268
County Boundary	6/20/2001	1021	Bacillariophyta	Fragilariophyceae	Fragilariales	Fragilariaceae	Asterionella	formosa			Colonial-Nonmotile	Cells/ml	8.7677	0.00046667	140.2826	0.00706144
County Boundary	6/20/2001	1109	Bacillariophyta	Fragilariophyceae	Fragilariales	Fragilariaceae	Diatoma	tenuis			Cell-Nonmotile	Cells/ml	8.7677	0.00046667	8.7677	0.00044134
County Boundary	6/20/2001	2462	Chlorophyta	Chlorophyceae	Chlorococcales	Oocystaceae	Quadrigula	lacustris			Colonial-Nonmotile	Cells/ml	8.7677	0.00046667	17.5353	0.00088268
County Boundary	7/3/2001	4041	Cyanophyta	Cyanophyceae	Nostocales	Nostocaceae	Aphanizomenon	flos-aquae			Multi-Filament	Cells/ml	108.3614	0.00842208	4262.2106	0.24492187
County Boundary	7/3/2001	6033	Pyrrhophyta	Dinophyceae	Gymnodinales	Gymnodinaceae	Gymnodinium	sp. 2			Cell-Motile	Cells/ml	1.8683	0.00014521	1.8683	0.00010736
County Boundary	7/3/2001	1221	Bacillariophyta	Bacillariophyceae	Bacillariales	Bacillariaceae	Nitzschia	acicularis			Cell-Motile	Cells/ml	31.7611	0.00246854	31.7611	0.00182511
County Boundary	7/3/2001	9504	Bacillariophyta	Fragilariophyceae	Fragilariales	Fragilariaceae	Synedra	tenera			Cell-Nonmotile	Cells/ml	22.4196	0.0017425	22.4196	0.00128831
County Boundary	7/3/2001	9123	Bacillariophyta	Bacillariophyceae	Bacillariales	Bacillariaceae	Nitzschia	palea			Cell-Motile	Cells/ml	74.732	0.00580833	74.732	0.00429437
County Boundary	7/3/2001	1434	Bacillariophyta	Coscinodiscophyceae	Aulacoseirales	Aulacoseiraceae	Aulacoseira	italica			Filament	Cells/ml	57.9173	0.00450146	193.0557	0.01109367
County Boundary	7/3/2001	1152	Bacillariophyta	Fragilariophyceae	Fragilariales	Fragilariaceae	Fragilaria	crottonensis			Lateral-Filament	Cells/ml	5.6049	0.00043562	16.8147	0.00096623
County Boundary	7/3/2001	9506	Bacillariophyta	Fragilariophyceae	Fragilariales	Fragilariaceae	Synedra	ulna			Cell-Nonmotile	Cells/ml	3.7366	0.00029042	3.7366	0.00021472
County Boundary	7/3/2001	4172	Cyanophyta	Cyanophyceae	Oscillatoriales	Oscillatoraceae	Oscillatoria	limnetica			Filament	Cells/ml	1.8683	0.00014521	101.9073	0.00585596
County Boundary	7/3/2001	3043	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Rhodomonas	minuta	nannoplantica		Cell-Motile	Cells/ml	4140.156	0.32178174	4140.156	0.23790817
County Boundary	7/3/2001	1298	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Stephanodiscaceae	Stephanodiscus	parvus			Cell-Nonmotile	Cells/ml	3597.1847	0.27958085	3597.1847	0.20677071
County Boundary	7/3/2001	2082	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Chlamydomonas	globosa			Cell-Motile	Cells/ml	2104.0137	0.16352842	2104.0137	0.12090415
County Boundary	7/3/2001	1018	Bacillariophyta	Bacillariophyceae	Achnanthes	Achnanthes	Achnanthes	lanceolata			Cell-Nonmotile	Cells/ml	67.8714	0.00527511	67.8714	0.00390013
County Boundary	7/3/2001	1296	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Stephanodiscaceae	Stephanodiscus	hantzschii			Cell-Nonmotile	Cells/ml	475.0999	0.03692578	475.0999	0.02730094
County Boundary	7/3/2001	9436	Bacillariophyta	Bacillariophyceae	Bacillariales	Bacillariaceae	Nitzschia	pumila			Cell-Motile	Cells/ml	1.8683	0.00014521	1.8683	0.00010736
County Boundary	7/3/2001	3015	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	erosa			Cell-Motile	Cells/ml	475.0999	0.03692578	475.0999	0.02730094
County Boundary	7/3/2001	2085	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Chlamydomonas	playstigma			Cell-Motile	Cells/ml	1425.2996	0.11077732	1425.2996	0.08190281
County Boundary	7/3/2001	9397	Bacillariophyta	Fragilariophyceae	Fragilariales	Fragilariaceae	Fragilaria	capucina	vaucheriae		Lateral-Filament	Cells/ml	67.8714	0.00527511	203.6142	0.0117004
County Boundary	7/3/2001	1731	Chrysophyta	Chrysophyceae	Ochromonadales	Ochromonadaceae	Erlenia	subaequilata			Cell-Motile	Cells/ml	67.8714	0.00527511	67.8714	0.00390013
County Boundary	7/3/2001	8041	Chlorophyta	Chlorophyceae	Chlorococcales	Oocystaceae	Monoraphidium	capricornutum			Cell-Nonmotile	Cells/ml	67.8714	0.00527511	67.8714	0.00390013
County Boundary	7/3/2001	2031	Chlorophyta	Chlorophyceae	Chlorococcales	Oocystaceae	Ankistrodesmus	falcatus			Cell-Nonmotile	Cells/ml	67.8714	0.00527511	67.8714	0.00390013
County Boundary	7/12/2001	1434	Bacillariophyta	Coscinodiscophyceae	Aulacoseirales	Aulacoseiraceae	Aulacoseira	italica			Filament	Cells/ml	94.5827	0.00585935	342.8622	0.01781209
County Boundary	7/12/2001	2363	Chlorophyta	Chlorophyceae	Chlorococcales	Oocystaceae	Oocystis	parva			Colonial-Nonmotile	Cells/ml	3.5031	0.00021702	28.0245	0.00145591
County Boundary	7/12/2001	2211	Chlorophyta	Chlorophyceae	Chlorococcales	Dictyosphaeriaceae	Dictyosphaerium	pulchellum			Colonial-Nonmotile	Cells/ml	14.0122	0.00086805	74.7315	0.00388239
County Boundary	7/12/2001	4041	Cyanophyta	Cyanophyceae	Nostocales	Nostocaceae	Aphanizomenon	flos-aquae			Multi-Filament	Cells/ml	45.5398	0.00282117	1705.6706	0.08861156
County Boundary	7/12/2001	3015	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	erosa			Cell-Motile	Cells/ml	129.6133	0.00802948	129.6133	0.00673356
County Boundary	7/12/2001	1220	Bacillariophyta	Bacillariophyceae	Bacillariales	Bacillariaceae	Nitzschia				Cell-Motile	Cells/ml	3.5031	0.00021702	3.5031	0.00018199
County Boundary	7/12/2001	2382	Chlorophyta	Chlorophyceae	Chlorococcales	Hydrodictyaceae	Pediastrum	boryanum			Colonial-Nonmotile	Cells/ml	3.5031	0.00021702	21.0184	0.00109193
County Boundary	7/12/2001	9317	Bacillariophyta	Bacillariophyceae	Sunelliales	Sunellaceae	Sunella	brebissoni	kuetzingii		Cell-Motile	Cells/ml	3.5031	0.00021702	3.5031	0.00018199
County Boundary	7/12/2001	2381	Chlorophyta	Chlorophyceae	Chlorococcales	Hydrodictyaceae	Pediastrum				Colonial-Nonmotile	Cells/ml	3.5031	0.00021702	224.198	0.01164724
County Boundary	7/12/2001	2021	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmeceae	Actinastrum	hantzschii			Cell-Nonmotile	Cells/ml	10.5092	0.00065104	84.0735	0.00436772
County Boundary	7/12/2001	8101	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Pyramiclamys	dissecta			Cell-Motile	Cells/ml	10.5092	0.00065104	10.5092	0.00045597
County Boundary	7/12/2001	3069	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	rostratiformis			Cell-Motile	Cells/ml	3.5031	0.00021702	3.5031	0.00018199
County Boundary	7/12/2001	6034	Pyrrhophyta	Dinophyceae	Gymnodinales	Gymnodinaceae	Gymnodinium	sp. 3			Cell-Motile	Cells/ml	3.5031	0.00021702	3.5031	0.00018199
County Boundary	7/12/2001	3043	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Rhodomonas	minuta	nannoplantica		Cell-Motile	Cells/ml	4006.2985	0.24818833	4006.2985	0.20813194
County Boundary	7/12/2001	1298	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Stephanodiscaceae	Stephanodiscus	parvus			Cell-Nonmotile	Cells/ml	6174.413	0.38250202	6174.413	0.3207679
County Boundary	7/12/2001	9072	Bacillariophyta	Bacillariophyceae	Naviculales	Naviculaceae	Navicula	cryptotenella			Cell-Motile	Cells/ml	11.6769	0.00072338	11.6769	0.00060663
County Boundary	7/12/2001	2085	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Chlamydomonas	playstigma			Cell-Motile	Cells/ml	424.1963	0.02627676	424.1963	0.02303749
County Boundary	7/12/2001	2683	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae	Chlorococcum				Cell-Motile	Cells/ml	2073.8486	0.12847396	2073.8486	0.10773883
County Boundary	7/12/2001	1446	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Stephanodiscaceae	Stephanodiscus	parvus	1	2.9-9 um spherical	Cell-Nonmotile	Cells/ml	424.1963	0.02627676	424.1963	0.02303749
County Boundary	7/12/2001	9123	Bacillariophyta	Bacillariophyceae	Bacillariales	Bacillariaceae	Nitzschia	palea			Cell-Motile	Cells/ml	377.0634	0.0233599	377.0634	0.01958888
County Boundary	7/12/2001	1570	Chrysophyta	Chrysophyceae	Ochromonadales	Ochromonadaceae	Ochromonas				Cell-Motile	Cells/ml	11.6769	0.00072338	11.6769	0.00060663
County Boundary	7/12/2001	2487	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmeceae	Scenedesmus	dimorphus			Colonial-Nonmotile	Cells/ml	47.1329	0.00291986	188.5317	0.00979444
County Boundary	7/12/2001	1296	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Stephanodiscaceae	Stephanodiscus	hantzschii			Cell-Nonmotile	Cells/ml	518.4622	0.03211849	518.4622	0.02693471
County Boundary	7/12/2001	8308	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmeceae	Scenedesmus	serratus			Colonial-Nonmotile	Cells/ml	94.2658	0.00583972	188.5317	0.00979444
County Boundary	7/12/2001	9212	Bacillariophyta	Bacillariophyceae	Achnanthes	Achnanthes	Conococconeis	placenta	lineata		Cell-Nonmotile	Cells/ml	47.1329	0.00291986	47.1329	0.00244861
County Boundary	7/12/2001	1731	Bacillariophyta	Chrysophyceae	Ochromonadales	Ochromonadaceae	Erlenia	subaequilata			Cell-Motile	Cells/ml	188.5317	0.01167945	188.5317	0.00979444
County Boundary	7/12/2001	9504	Bacillariophyta	Fragilariophyceae	Fragilariales	Fragilariaceae	Synedra	tenera			Cell-Nonmotile	Cells/ml	47.1329	0.00291986	47.1329	0.00244861
County Boundary	7/12/2001	2082	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Chlamydomonas	globosa			Cell-Motile	Cells/ml	471.3292	0.02919863	471.3292	0.0244861
County Boundary	7/12/2001	1127	Chrysophyta	Chrysophyceae	Ochromonadales	Dinobryaceae	Dinobryon	divergens			Colonial-Motile	Cells/ml	47.1329	0.00291986	47.1329	0.00244861
County Boundary	7/12/2001	8226	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmeceae	Scenedesmus	intermedius			Colonial-Nonmotile	Cells/ml	47.1329	0.00291986	188.5317	0.00979444
County Boundary	7/12/2001	2031	Chlorophyta	Chlorophyceae	Chlorococcales	Oocystaceae	Ankistrodesmus	falcatus			Cell-Nonmotile	Cells/ml	47.1329	0.00291986	47.1329	0.00244861
County Boundary	7/12/2001	1152	Bacillariophyta	Fragilariophyceae	Fragilariales	Fragilariaceae	Fragilaria	crottonensis			Lateral-Filament	Cells/ml	141.3988	0.00875959	329.9258	0.01714003
County Boundary	7/12/2001	2491	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae	Schroederia	judyai			Cell-Nonmotile	Cells/ml	47.1329	0.00291986	47.1329	0.00244861
County Boundary	7/12/2001	2462	Chlorophyta	Chlorophyceae	Chlorococcales	Oocystaceae	Quadrigula	lacustris			Colonial-Nonmotile	Cells/ml	47.1329	0.00291986	94.2658	0.00489722
County Boundary	7/12/2001	1221	Bacillariophyta	Bacillariophyceae	Bacillariales	Bacillariaceae	Nitzschia	acicularis			Cell-Motile	Cells/ml	282.7975	0.01751917	282.7975	0.01468166
County Boundary	7/12/2001	9045	Bacillariophyta	Fragilariophyceae	Fragilariales	Fragilariaceae	Fragilaria	constuens			Lateral-Filament	Cells/ml	47.1329	0.00291986	94.2658	0.00489722
County Boundary	7/12/2001	1214	Bacillariophyta	Bacillariophyceae	Naviculales	Naviculaceae	Navicula	cryptoccephala			Cell-Motile	Cells/ml	94.2658	0.00583972	94.2658	0.00489722
County Boundary	7/12/2001	6033	Pyrrhophyta	Dinophyceae	Gymnodinales	Gymnodinaceae	Gymnodinium	sp. 2			Cell-Motile	Cells/ml	47.1329	0.00291986	47.1329	0.00244861
County Boundary	7/12/2001	102793	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmeceae	Scenedesmus	acutus			Colonial-Nonmotile	Cells/ml	47.1329	0.00291986	188.5317	0.00979444
County Boundary	7/25/2001	1021	Bacillariophyta	Fragilariophyceae	Fragilariales	Fragilariaceae	Asterionella	formosa			Colonial-Nonmotile	Cells/ml	3.3629	0.00036229	6.7259	0.00065369
County Boundary	7/25/2001	3015	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	erosa			Cell-Motile	Cells/ml	22.6998	0.00244549	22.6998	0.0022062
County Boundary	7/25/2001	8030	Chlorophyta	Chlorophyceae	Microspora	Microsporidae	Microspora				Filament	Cells/ml	5.8851	0.00063401	17.6554	0.00171593
County Boundary	7/25/2001	2211	Chlorophyta													

Table B-5. Continued.

Site	Sample date	Taxa identification	Division	Class	Order	Family	Genus	Species	Variety	Morph	Coloriality	Customer requested units	Concentration	Relative concentration	Algal cell concentration	Relative algal cell concentration
Little Hole Draw	7/25/2001	1000049	Chlorophyta	Chlorophyceae	Bryopsidales	Dichotomosiphonaceae	Dichotomococcus	curvatus			Colonial-Nonmotile	Cells/ml	16.9679	0.00276216	67.8714	0.00872858
Little Hole Draw	7/25/2001	1446	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Stephanodiscaceae	Stephanodiscus	parvus	1		Cell-Nonmotile	Cells/ml	339.3571	0.05524314	339.3571	0.04364291
Little Hole Draw	7/25/2001	9123	Bacillariophyta	Bacillariophyceae	Bacillariales	Bacillariaceae	Nitzschia	palea			Cell-Motile	Cells/ml	101.8071	0.01657294	101.8071	0.01309287
Little Hole Draw	7/25/2001	2911	Chlorophyta	Chlorophyceae	Ulotrichales	Ulotrichaceae	Sitochococcus	bacillaris			Colonial-Nonmotile	Cells/ml	169.6785	0.02762156	169.6785	0.02182145
Little Hole Draw	7/25/2001	8041	Chlorophyta	Chlorophyceae	Chlorococcales	Oocystaceae	Monoraphidium	capricornutum			Cell-Nonmotile	Cells/ml	33.9357	0.00552431	33.9357	0.00436429
Little Hole Draw	7/25/2001	9504	Bacillariophyta	Fragilariophyceae	Fragilariales	Fragilariaceae	Synedra	tenera			Cell-Nonmotile	Cells/ml	50.9036	0.00828648	50.9036	0.00654644
Little Hole Draw	7/25/2001	1296	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Stephanodiscaceae	Stephanodiscus	hantzschii			Cell-Nonmotile	Cells/ml	296.9374	0.04833774	296.9374	0.03818754
Little Hole Draw	7/25/2001	2085	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Chlamydomonas	platystigma			Cell-Motile	Cells/ml	67.8714	0.01104863	67.8714	0.00872858
Little Hole Draw	7/25/2001	2082	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Chlamydomonas	globosa			Cell-Motile	Cells/ml	33.9357	0.00552431	33.9357	0.00436429
Little Hole Draw	7/25/2001	1222	Bacillariophyta	Bacillariophyceae	Bacillariales	Bacillariaceae	Nitzschia	gracilis			Cell-Motile	Cells/ml	16.9679	0.00276216	16.9679	0.00218215
Little Hole Draw	7/25/2001	4054	Cyanophyta	Cyanophyceae	Chroococcales	Chroococcaceae	Aphanocapsa	delicatissima			Colonial-Nonmotile	Cells/ml	16.9679	0.00276216	509.0356	0.06546436
Little Hole Draw	7/25/2001	1221	Bacillariophyta	Bacillariophyceae	Bacillariales	Bacillariaceae	Nitzschia	acicularis			Cell-Motile	Cells/ml	16.9679	0.00276216	16.9679	0.00218215
Little Hole Draw	7/25/2001	8308	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmaceae	Scenedesmus	serratus			Colonial-Nonmotile	Cells/ml	16.9679	0.00276216	33.9357	0.00436429
Little Hole Draw	7/25/2001	2491	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae	Schroederia	judayi			Cell-Nonmotile	Cells/ml	16.9679	0.00276216	16.9679	0.00218215
Little Hole Draw	7/25/2001	4264	Cyanophyta	Cyanophyceae	Chroococcales	Chroococcaceae	Microcystis	aeruginosa			Colonial-Nonmotile	Cells/ml	0	0	33.9357	0.00436429
Little Hole Draw	7/25/2001	2884	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmaceae	Scenedesmus	quadrifida			Colonial-Nonmotile	Cells/ml	33.9357	0.00552431	67.8714	0.00872858
Little Hole Draw	7/25/2001	2031	Chlorophyta	Chlorophyceae	Chlorococcales	Oocystaceae	Ankistrodesmus	falcatus			Cell-Nonmotile	Cells/ml	33.9357	0.00552431	33.9357	0.00436429
Little Hole Draw	8/2/2001	4041	Cyanophyta	Cyanophyceae	Nostocales	Nostocaceae	Aphanizomenon	flos-aquae			Multi-Filament	Cells/ml	1025.6965	0.83443655	37215.1412	0.96390436
Little Hole Draw	8/2/2001	6011	Pyrrhophyta	Dinophyceae	Gonyaulacales	Ceratiales	Ceratium	hirundinella			Cell-Motile	Cells/ml	2.8024	0.00227984	2.8024	0.00007409
Little Hole Draw	8/2/2001	2381	Chlorophyta	Chlorophyceae	Chlorococcales	Hydrodictyaceae	Pediastrum				Colonial-Nonmotile	Cells/ml	2.8024	0.00227984	168.147	0.00444552
Little Hole Draw	8/2/2001	3015	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	erosa			Cell-Motile	Cells/ml	5.6049	0.00455976	5.6049	0.00014818
Little Hole Draw	8/2/2001	4261	Cyanophyta	Cyanophyceae	Chroococcales	Chroococcaceae	Microcystis	aeruginosa			Colonial-Nonmotile	Cells/ml	0	0	228.632	0.00604464
Little Hole Draw	8/2/2001	4285	Cyanophyta	Cyanophyceae	Chroococcales	Chroococcaceae				>1 um spherical	Cell-Nonmotile	Cells/ml	45.2476	0.03681035	45.2476	0.00119627
Little Hole Draw	8/2/2001	3043	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Rhodomonas	minuta	nannoplantica		Cell-Motile	Cells/ml	90.4952	0.07362071	90.4952	0.00239254
Little Hole Draw	8/2/2001	2491	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae	Schroederia	judayi			Cell-Nonmotile	Cells/ml	45.2476	0.03681035	45.2476	0.00119627
Little Hole Draw	8/2/2001	4092	Cyanophyta	Cyanophyceae	Chroococcales	Chroococcaceae	Coelosphaerium	naegelianum			Colonial-Nonmotile	Cells/ml	0	0	11.3119	0.00029907
Little Hole Draw	8/2/2001	7140	Miscellaneous							Microflagellate	Cell-Motile	Cells/ml	11.3119	0.00920259	11.3119	0.00029907
Little Hole Draw	8/8/2001	2884	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmaceae	Scenedesmus	quadrifida			Colonial-Nonmotile	Cells/ml	4.6707	0.0014936	18.683	0.00018945
Little Hole Draw	8/8/2001	4041	Cyanophyta	Cyanophyceae	Nostocales	Nostocaceae	Aphanizomenon	flos-aquae			Multi-Filament	Cells/ml	2522.2045	0.80655417	97219.3822	0.98584874
Little Hole Draw	8/8/2001	4261	Cyanophyta	Cyanophyceae	Chroococcales	Chroococcaceae	Microcystis	aeruginosa			Colonial-Nonmotile	Cells/ml	0	0	776.5815	0.00787489
Little Hole Draw	8/8/2001	8101	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Pyramiclamys	dissecta			Cell-Motile	Cells/ml	4.6707	0.0014936	4.6707	0.00004736
Little Hole Draw	8/8/2001	3043	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Rhodomonas	minuta	nannoplantica		Cell-Motile	Cells/ml	509.0356	0.16278013	509.0356	0.00516185
Little Hole Draw	8/8/2001	1298	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Stephanodiscaceae	Stephanodiscus	parvus			Cell-Nonmotile	Cells/ml	33.9357	0.01085201	33.9357	0.00034412
Little Hole Draw	8/8/2001	1446	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Stephanodiscaceae	Stephanodiscus	parvus	1		Cell-Nonmotile	Cells/ml	33.9357	0.01085201	33.9357	0.00034412
Little Hole Draw	8/8/2001	3015	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	erosa			Cell-Motile	Cells/ml	18.683	0.00597448	18.683	0.00018945
County Boundary	6/6/2001	3069	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	rostratiformis			Cell-Motile	Cells/ml	19.7272	0.08445474	19.7272	0.00542951
County Boundary	6/6/2001	3015	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	erosa			Cell-Motile	Cells/ml	3.9454	0.01689078	3.9454	0.00108589
County Boundary	6/6/2001	2160	Chlorophyta	Chlorophyceae	Zygnematales	Desmidiaceae	Closterium				Cell-Nonmotile	Cells/ml	8.6811	0.03716493	8.6811	0.00238929
County Boundary	6/6/2001	2462	Chlorophyta	Chlorophyceae	Oocystaceae	Quadrifida	lacustris				Colonial-Nonmotile	Cells/ml	0.6576	0.00281527	0.6576	0.00018099
County Boundary	6/6/2001	101930	Chlorophyta	Chlorophyceae	Ulotrichales	Ulotrichaceae	Geminella	interrupta			Filament	Cells/ml	92.0605	0.39412312	2852.7789	0.78516866
County Boundary	6/6/2001	10220	Cyanophyta	Cyanophyceae	Nostocales	Nostocaceae	Anabaena	augustalis			Complex-Filament	Cells/ml	15.7818	0.06756306	508.1738	0.13686438
County Boundary	6/6/2001	2683	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae				2-9.9 um spherical	Cell-Nonmotile	Cells/ml	0.6576	0.00281527	0.6576	0.00018099
County Boundary	6/6/2001	1439	Bacillariophyta	Coscinodiscophyceae	Aulacoseirales	Aulacoseiraceae	Aulacoseira	canadensis			Filament	Cells/ml	0.6576	0.00281527	0.6576	0.00018099
County Boundary	6/6/2001	2382	Chlorophyta	Chlorophyceae	Chlorococcales	Hydrodictyaceae	Pediastrum	boryanum			Colonial-Nonmotile	Cells/ml	0.6576	0.00281527	10.5212	0.00289574
County Boundary	6/6/2001	1090	Bacillariophyta	Bacillariophyceae	Cymbellales	Cymbellaceae	Cymbella				Cell-Nonmotile	Cells/ml	1.3151	0.00563012	1.3151	0.00036195
County Boundary	6/6/2001	4290	Cyanophyta	Cyanophyceae	Nostocales	Nostocaceae	Nostoc				Colonial-Nonmotile	Cells/ml	0.6576	0.00281527	131.515	0.0361968
County Boundary	6/6/2001	1152	Bacillariophyta	Fragilariophyceae	Fragilariales	Fragilariaceae	Fragilaria	crotonensis			Lateral-Filament	Cells/ml	0.6576	0.00281527	6.5757	0.00180983
County Boundary	6/6/2001	9212	Bacillariophyta	Bacillariophyceae	Achnanthes	Coconidaceae	Coconeis	placenticula	lineata		Cell-Nonmotile	Cells/ml	1.3151	0.00563012	1.3151	0.00036195
County Boundary	6/6/2001	4285	Cyanophyta	Cyanophyceae	Chroococcales	Chroococcaceae				>1 um spherical	Cell-Nonmotile	Cells/ml	52.0868	0.22299045	52.0868	0.01433582
County Boundary	6/6/2001	1221	Bacillariophyta	Bacillariophyceae	Bacillariales	Bacillariaceae	Nitzschia	acicularis			Cell-Motile	Cells/ml	8.6811	0.03716493	8.6811	0.00238929
County Boundary	6/6/2001	1222	Bacillariophyta	Bacillariophyceae	Bacillariales	Bacillariaceae	Nitzschia	gracilis			Cell-Motile	Cells/ml	8.6811	0.03716493	8.6811	0.00238929
County Boundary	6/6/2001	9123	Bacillariophyta	Bacillariophyceae	Bacillariales	Bacillariaceae	Nitzschia	palea			Cell-Motile	Cells/ml	17.3623	0.07433029	17.3623	0.00477862
County Boundary	6/20/2001	2082	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Chlamydomonas	globosa			Cell-Motile	Cells/ml	208.3474	0.01108996	208.3474	0.01048764
County Boundary	6/20/2001	3043	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Rhodomonas	minuta	nannoplantica		Cell-Motile	Cells/ml	1823.0395	0.09703402	1823.0395	0.09176685
County Boundary	6/20/2001	2683	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae				2-9.9 um spherical	Cell-Nonmotile	Cells/ml	208.3474	0.01108996	208.3474	0.01048764
County Boundary	6/20/2001	1731	Chrysophyta	Chrysophyceae	Ochromonadales	Ochromonadaceae	Erikenia	subaequicillata			Cell-Motile	Cells/ml	833.3895	0.04435841	833.3895	0.04195056
County Boundary	6/20/2001	2085	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Chlamydomonas	platystigma			Cell-Motile	Cells/ml	312.5211	0.01683441	312.5211	0.01573146
County Boundary	6/20/2001	4285	Cyanophyta	Cyanophyceae	Chroococcales	Chroococcaceae				>1 um spherical	Cell-Nonmotile	Cells/ml	9766.2829	0.51982511	9766.2829	0.49160813
County Boundary	6/20/2001	1298	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Stephanodiscaceae	Stephanodiscus	parvus			Cell-Nonmotile	Cells/ml	3958.6	0.21070245	3958.6	0.19926516
County Boundary	6/20/2001	2491	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae	Schroederia	judayi			Cell-Nonmotile	Cells/ml	104.1737	0.0055448	104.1737	0.00524382
County Boundary	6/20/2001	8041	Chlorophyta	Chlorophyceae	Chlorococcales	Oocystaceae	Monoraphidium	capricornutum			Cell-Nonmotile	Cells/ml	52.0868	0.0027724	52.0868	0.00262191
County Boundary	6/20/2001	1446	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Stephanodiscaceae	Stephanodiscus	parvus	1		Cell-Nonmotile	Cells/ml	729.2158	0.03891361	729.2158	0.03670674
County Boundary	6/20/2001	1152	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Stephanodiscaceae	Stephanodiscus	hantzschii			Lateral-Filament	Cells/ml	156.2805	0.00831172	989.6448	0.04361603
County Boundary	6/20/2001	9123	Bacillariophyta	Bacillariophyceae	Bacillariales	Bacillariaceae	Nitzschia	palea			Cell-Nonmotile	Cells/ml	104.1737	0.0055448	104.1737	0.00524382
County Boundary	6/20/2001	1221	Bacillariophyta	Bacillariophyceae	Bacillariales	Bacillariaceae	Nitzschia	acicularis			Cell-Motile	Cells/ml	52.0868	0.0027724	52.0868	0.00262191
County Boundary	6/20/2001	6034	Pyrrhophyta	Dinophyceae	Gymnodinales	Gymnodinaceae	Gymnodinium	sp. 3			Cell-Motile	Cells/ml	52.0868	0.0027724	52.0868	0.00262191
County Boundary	6/20/2001	1153	Bacillariophyta	Fragilariophyceae	Fragilariales	Fragilariaceae	Fragilaria	capucina			Lateral-Filament	Cells/ml	52.0868	0.0027724	52.0868	0.00262191
County Boundary	6/20/2001	1161	Bacillariophyta	Bacillariophyceae	Cymbellales	Gomphonemataceae	Gomphonema	parvulum			Cell-Nonmotile	Cells/ml	52.0868	0.0027724	52.0868	0.00262191
County Boundary	6/20/2001	1411	Chrysophyta	Chrysophyceae	Ochromonadales	Dinobryon	seriulana				Colonial-Motile	Cells/ml	52.0868	0.0027724	104.1737	0.00524382
County Boundary	6/20/2001	3015	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	erosa			Cell-Motile	Cells/ml	35.0707	0.00188689	35.0707	0.00176536
County Boundary	6/20/2001	8471	Chlorophyta	Fragilariophyceae	Polyblepharidales	Polyblepharidaceae	Nephroselmis				Cell-Motile	Cells/ml	8.7677	0.00046667	8.7677	0.00044134
County Boundary	6/20/2001	1430	Bacillariophyta	Coscinodiscophyceae	Aulacoseirales	Aulacoseiraceae	Aulacoseira				Filament	Cells/ml	26.303	0.00140002		

Table B-5. Continued.

Site	Sample date	Taxa identification	Division	Class	Order	Family	Genus	Species	Variety	Morph	Colorality	Customer requested units	Concentration	Relative concentration	Algal cell concentration	Relative algal cell concentration
Little Hole Draw	7/3/2001	2363	Chlorophyta	Chlorophyceae	Chlorococcales	Oocystaceae	Oocystis	parva			Colonial-Nonmotile	Cells/ml	14012	0.00075926	5.6049	0.00168528
Little Hole Draw	7/3/2001	1021	Bacillariophyta	Fragilariophyceae	Fragilariales	Fragilariaceae	Asterionella	formosa			Colonial-Nonmotile	Cells/ml	2.8024	0.00151851	20.3178	0.00610914
Little Hole Draw	7/3/2001	2381	Chlorophyta	Chlorophyceae	Chlorococcales	Hydrodictyaceae	Pediastrum				Colonial-Nonmotile	Cells/ml	2.8024	0.00151851	141.9909	0.04269371
Little Hole Draw	7/3/2001	2371	Chlorophyta	Chlorophyceae	Volvocales	Volvocaceae	Pandorina	morum			Colonial-Motile	Cells/ml	0.7006	0.00037963	5.6049	0.00168528
Little Hole Draw	7/3/2001	2462	Chlorophyta	Chlorophyceae	Chlorococcales	Oocystaceae	Quadrifida	lacustris			Colonial-Nonmotile	Cells/ml	0.7006	0.00037963	2.8024	0.00084262
Little Hole Draw	7/3/2001	4041	Cyanophyta	Cyanophyceae	Nostocales	Nostocaceae	Aphanizomenon	flos-aquae			Multi-Filament	Cells/ml	0.7006	0.00037963	7.6431	0.00229812
Little Hole Draw	7/3/2001	2021	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmeceae	Actinastrum	hantzschii			Cell-Nonmotile	Cells/ml	14012	0.00075926	7.0061	0.00210659
Little Hole Draw	7/3/2001	9504	Bacillariophyta	Fragilariophyceae	Fragilariales	Fragilariaceae	Synedra	tenera			Cell-Nonmotile	Cells/ml	0.7006	0.00037963	0.7006	0.00021066
Little Hole Draw	7/3/2001	1328	Bacillariophyta	Fragilariophyceae	Fragilariales	Fragilariaceae	Synedra	cyclopus			Cell-Nonmotile	Cells/ml	0.7006	0.00037963	0.7006	0.00021066
Little Hole Draw	7/3/2001	2382	Chlorophyta	Chlorophyceae	Chlorococcales	Hydrodictyaceae	Pediastrum	boryanum			Colonial-Nonmotile	Cells/ml	0.7006	0.00037963	11.2098	0.00337055
Little Hole Draw	7/3/2001	9818	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Stephanodiscaceae	Stephanodiscus	medius			Cell-Nonmotile	Cells/ml	0.7006	0.00037963	0.7006	0.00021066
Little Hole Draw	7/3/2001	3043	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Rhodomonas	minuta	nannoplantica		Cell-Motile	Cells/ml	984.1354	0.53326492	984.1354	0.23590906
Little Hole Draw	7/3/2001	2653	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae				2-9.9 um spherical	Cell-Nonmotile	Cells/ml	305.4213	0.18549599	305.4213	0.09183384
Little Hole Draw	7/3/2001	1298	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Stephanodiscaceae	Stephanodiscus	parvus			Cell-Nonmotile	Cells/ml	33.9357	0.01838844	33.9357	0.01020376
Little Hole Draw	7/3/2001	7140	Miscellaneous							Microflagellate	Cell-Motile	Cells/ml	33.9357	0.01838844	33.9357	0.01020376
Little Hole Draw	7/3/2001	9123	Bacillariophyta	Bacillariophyceae	Bacillariales	Bacillariaceae	Nitzschia	palea			Cell-Motile	Cells/ml	16.9679	0.00919425	16.9679	0.00510189
Little Hole Draw	7/3/2001	1731	Chrysophyta	Chrysophyceae	Ochromonadales	Ochromonadaceae	Erkenia	subaequalata			Cell-Motile	Cells/ml	33.9357	0.01838844	33.9357	0.01020376
Little Hole Draw	7/3/2001	1446	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Stephanodiscaceae	Stephanodiscus	parvus	1		Cell-Nonmotile	Cells/ml	67.8714	0.03677689	67.8714	0.02040752
Little Hole Draw	7/3/2001	2491	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae	Schroederia	judayi			Cell-Nonmotile	Cells/ml	67.8714	0.03677689	67.8714	0.02040752
Little Hole Draw	7/3/2001	2082	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Chlamydomonas	globosa			Cell-Motile	Cells/ml	16.9679	0.00919425	16.9679	0.00510189
Little Hole Draw	7/12/2001	4041	Cyanophyta	Cyanophyceae	Nostocales	Nostocaceae	Aphanizomenon	flos-aquae			Multi-Filament	Cells/ml	178.6562	0.18020501	5705.3307	0.76609287
Little Hole Draw	7/12/2001	1434	Bacillariophyta	Coscinodiscophyceae	Aulacoseirales	Aulacoseiraceae	Aulacoseira	italica			Filament	Cells/ml	4.2037	0.00424014	9.8084	0.00131704
Little Hole Draw	7/12/2001	8303	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmeceae	Scenedesmus	opoliensis	carinatus		Colonial-Nonmotile	Cells/ml	0.7006	0.00070667	2.8024	0.0003763
Little Hole Draw	7/12/2001	2491	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae	Schroederia	judayi			Cell-Nonmotile	Cells/ml	4.9043	0.00494682	4.9043	0.00065853
Little Hole Draw	7/12/2001	2082	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Chlamydomonas	globosa			Cell-Motile	Cells/ml	14012	0.00141335	14012	0.00018815
Little Hole Draw	7/12/2001	9123	Bacillariophyta	Bacillariophyceae	Bacillariales	Bacillariaceae	Nitzschia	palea			Cell-Motile	Cells/ml	14012	0.00141335	14012	0.00018815
Little Hole Draw	7/12/2001	2071	Chlorophyta	Chlorophyceae	Chlorococcales	Characaceae	Characum	limneticum			Cell-Nonmotile	Cells/ml	0.7006	0.00070667	0.7006	0.00009407
Little Hole Draw	7/12/2001	9818	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Stephanodiscaceae	Stephanodiscus	medius			Cell-Nonmotile	Cells/ml	0.7006	0.00070667	0.7006	0.00009407
Little Hole Draw	7/12/2001	3069	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	rostratiformis			Cell-Motile	Cells/ml	2.8024	0.00282669	2.8024	0.0003763
Little Hole Draw	7/12/2001	1021	Bacillariophyta	Fragilariophyceae	Fragilariales	Fragilariaceae	Asterionella	formosa			Colonial-Nonmotile	Cells/ml	0.7006	0.00070667	0.7006	0.00009407
Little Hole Draw	7/12/2001	8030	Chlorophyta	Chlorophyceae	Microsporales	Microsporaceae	Microspora				Filament	Cells/ml	14012	0.00141335	14012	0.00018815
Little Hole Draw	7/12/2001	2381	Chlorophyta	Chlorophyceae	Chlorococcales	Hydrodictyaceae	Pediastrum				Colonial-Nonmotile	Cells/ml	14012	0.00141335	33.6294	0.00451564
Little Hole Draw	7/12/2001	3015	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	erosa			Cell-Motile	Cells/ml	5.6049	0.00565349	5.6049	0.00075261
Little Hole Draw	7/12/2001	2389	Chlorophyta	Chlorophyceae	Chlorococcales	Oocystaceae	Oocystis	lacustris			Colonial-Nonmotile	Cells/ml	0.7006	0.00070667	0.7006	0.00009407
Little Hole Draw	7/12/2001	4172	Cyanophyta	Cyanophyceae	Oscillatoriales	Oscillatoriaceae	Oscillatoria	limnetica			Filament	Cells/ml	14012	0.00141335	15.2861	0.00205257
Little Hole Draw	7/12/2001	2382	Chlorophyta	Chlorophyceae	Chlorococcales	Hydrodictyaceae	Pediastrum	boryanum			Colonial-Nonmotile	Cells/ml	2.1018	0.00212002	49.0428	0.0065853
Little Hole Draw	7/12/2001	2363	Chlorophyta	Chlorophyceae	Chlorococcales	Oocystaceae	Oocystis	parva			Colonial-Nonmotile	Cells/ml	14012	0.00141335	2.8024	0.0003763
Little Hole Draw	7/12/2001	4261	Cyanophyta	Cyanophyceae	Chroococcales	Chroococcaceae	Microcystis	aeruginosa			Colonial-Nonmotile	Cells/ml	0	0	313.128	0.04204579
Little Hole Draw	7/12/2001	2371	Chlorophyta	Chlorophyceae	Volvocales	Volvocaceae	Pandorina	morum			Colonial-Motile	Cells/ml	0.7006	0.00070667	5.6049	0.00075261
Little Hole Draw	7/12/2001	3043	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Rhodomonas	minuta	nannoplantica		Cell-Motile	Cells/ml	407.2285	0.41075885	407.2285	0.05468129
Little Hole Draw	7/12/2001	2683	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae				2-9.9 um spherical	Cell-Nonmotile	Cells/ml	101.8071	0.10268969	101.8071	0.01367032
Little Hole Draw	7/12/2001	1298	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Stephanodiscaceae	Stephanodiscus	parvus			Cell-Nonmotile	Cells/ml	33.9357	0.0342299	33.9357	0.00455677
Little Hole Draw	7/12/2001	4285	Cyanophyta	Cyanophyceae	Chroococcales	Chroococcaceae				>1 um spherical	Cell-Nonmotile	Cells/ml	67.8714	0.06845979	67.8714	0.00911355
Little Hole Draw	7/12/2001	2861	Chlorophyta	Prasinophyceae	Prasinocladales	Pedinomonadaceae	Monomastix	astigmata			Cell-Motile	Cells/ml	135.7428	0.13691958	135.7428	0.01822709
Little Hole Draw	7/12/2001	10220	Cyanophyta	Cyanophyceae	Nostocales	Nostocaceae	Anabaena	augustulalis			Complex-Filament	Cells/ml	33.9357	0.0342299	542.9713	0.07290838
Little Hole Draw	7/25/2001	1434	Bacillariophyta	Coscinodiscophyceae	Aulacoseirales	Aulacoseiraceae	Aulacoseira	italica			Filament	Cells/ml	18.4962	0.00301095	136.0781	0.01750028
Little Hole Draw	7/25/2001	1432	Bacillariophyta	Coscinodiscophyceae	Aulacoseirales	Aulacoseiraceae	Aulacoseira	granulata			Filament	Cells/ml	18.4962	0.00301095	162.3557	0.0208797
Little Hole Draw	7/25/2001	3069	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	rostratiformis			Cell-Motile	Cells/ml	1.2611	0.00020529	1.2611	0.00016218
Little Hole Draw	7/25/2001	4041	Cyanophyta	Cyanophyceae	Nostocales	Nostocaceae	Aphanizomenon	flos-aquae			Multi-Filament	Cells/ml	9.6685	0.00157391	508.6195	0.06541084
Little Hole Draw	7/25/2001	3015	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	erosa			Cell-Motile	Cells/ml	23.9609	0.00390054	23.9609	0.00308148
Little Hole Draw	7/25/2001	1021	Bacillariophyta	Fragilariophyceae	Fragilariales	Fragilariaceae	Asterionella	formosa			Colonial-Nonmotile	Cells/ml	0.8407	0.00013686	3.3629	0.00043248
Little Hole Draw	7/25/2001	9818	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Stephanodiscaceae	Stephanodiscus	medius			Cell-Nonmotile	Cells/ml	6.3055	0.00102646	6.3055	0.00081092
Little Hole Draw	7/25/2001	2211	Chlorophyta	Chlorophyceae	Chlorococcales	Dictyosphaenaceae	Dictyosphaerium	pulchellum			Colonial-Nonmotile	Cells/ml	1.6815	0.00027373	14.5728	0.00187413
Little Hole Draw	7/25/2001	2363	Chlorophyta	Chlorophyceae	Chlorococcales	Oocystaceae	Oocystis	parva			Colonial-Nonmotile	Cells/ml	0.8407	0.00013686	6.7259	0.00086498
Little Hole Draw	7/25/2001	8101	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Pyramiclamys	dissecta			Cell-Motile	Cells/ml	27.7442	0.00451641	27.7442	0.00356803
Little Hole Draw	7/25/2001	2194	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmeceae	Crucigenia	crucifera			Colonial-Nonmotile	Cells/ml	0.4204	0.00006844	2.9426	0.00037843
Little Hole Draw	7/25/2001	3065	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	gracilis			Cell-Motile	Cells/ml	0.4204	0.00006844	0.4204	0.00005407
Little Hole Draw	7/25/2001	2371	Chlorophyta	Chlorophyceae	Volvocales	Volvocaceae	Pandorina	morum			Colonial-Motile	Cells/ml	0.8407	0.00013686	13.4518	0.00172996
Little Hole Draw	7/25/2001	8011	Chlorophyta	Chlorophyceae	Chlorococcales	Actinodiscaceae	Deasonia	Gigantica			Cell-Nonmotile	Cells/ml	0.4204	0.00006844	0.4204	0.00005407
Little Hole Draw	7/25/2001	4168	Cyanophyta	Cyanophyceae	Chroococcales	Chroococcaceae	Mensopodia	punctata			Colonial-Nonmotile	Cells/ml	0.4204	0.00006844	3.3629	0.00043248
Little Hole Draw	7/25/2001	9317	Bacillariophyta	Bacillariophyceae	Surirellales	Surirellaceae	Surirella	brevissonii	kuetzingii		Cell-Motile	Cells/ml	0.4204	0.00006844	0.4204	0.00005407
Little Hole Draw	7/25/2001	2021	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmeceae	Actinastrum	hantzschii			Cell-Nonmotile	Cells/ml	0.4204	0.00006844	1.6815	0.00021625
Little Hole Draw	7/25/2001	2381	Chlorophyta	Chlorophyceae	Chlorococcales	Hydrodictyaceae	Pediastrum				Colonial-Nonmotile	Cells/ml	2.5222	0.00041058	90.7994	0.01167723
Little Hole Draw	7/25/2001	9506	Bacillariophyta	Fragilariophyceae	Fragilariales	Fragilariaceae	Synedra	ulna	ulna		Cell-Nonmotile	Cells/ml	0.4204	0.00006844	0.4204	0.00005407
Little Hole Draw	7/25/2001	6033	Pyrrhophyta	Dinophyceae	Gymnodinales	Gymnodiniaceae	Gymnodinium	sp. 2			Cell-Motile	Cells/ml	0.8407	0.00013686	0.8407	0.00010812
Little Hole Draw	7/25/2001	2641	Chlorophyta	Chlorophyceae	Tetrasporales	Palaeolipsidaceae	Sphaerocystis	schroeteri			Colonial-Nonmotile	Cells/ml	1.2611	0.00020529	15.1332	0.0019462
Little Hole Draw	7/25/2001	5021	Euglenophyta	Euglenophyceae	Euglenales	Euglenaceae	Euglena	gracilis			Cell-Motile	Cells/ml	0.4204	0.00006844	0.4204	0.00005407
Little Hole Draw	7/25/2001	6034	Pyrrhophyta	Dinophyceae	Gymnodinales	Gymnodiniaceae	Gymnodinium	sp. 3			Cell-Motile	Cells/ml	0.8407	0.00013686	0.8407	0.00010812
Little Hole Draw	7/25/2001	2567	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae	Tetradion	regulare	incus		Cell-Nonmotile	Cells/ml	0.4204	0.00006844	0.4204	0.00005407
Little Hole Draw	7/25/2001	3043	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Rhodomonas	minuta	nannoplantica		Cell-Motile	Cells/ml	356.3249	0.05800529	356.3249	0.04582505
Little Hole Draw	7/25/2001	2561	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmeceae	Tetrasira	stauroneaeforme			Colonial-Nonmotile	Cells/ml	33.9357	0.00552431	135.7428	0.01745716
Little Hole Draw	7/25/2001	1298	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Stephanodiscaceae	Stephanodiscus	parvus			Cell-Nonmotile					

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Table B-5. Continued.

Site	Sample date	Taxa identification	Division	Class	Order	Family	Genus	Species	Variety	Morph	Coloniality	Customer requested units	Concentration	Relative concentration	Algal cell concentration	Relative algal cell concentration
Dam	8/8/2001	8101	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Pyramichlamys	dissecta			Cell-Motile	Cells/ml	0.8407	0.0014805	0.8407	0.00027995
Dam	8/8/2001	2363	Chlorophyta	Chlorophyceae	Chlorococcales	Oocystaceae	Oocystis	parva			Colonial-Nonmotile	Cells/ml	0.4204	0.00074034	1.6815	0.00055974
Dam	8/8/2001	3069	Chlorophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	rostratiformis			Cell-Motile	Cells/ml	0.4204	0.00074034	0.4204	0.00013994
Dam	8/8/2001	2211	Chlorophyta	Chlorophyceae	Chlorococcales	Dictyosphaeriaceae	Dictyosphaerium	pulchellum			Colonial-Nonmotile	Cells/ml	0.8407	0.0014805	3.3629	0.00111945
Dam	8/8/2001	2884	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmales	Scenedesmus	quadricauda			Colonial-Nonmotile	Cells/ml	0.4204	0.00074034	0.8407	0.00027985
Dam	8/8/2001	2082	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Chlamydomonas	globosa			Cell-Motile	Cells/ml	0.4204	0.00074034	0.4204	0.00013994
Dam	8/8/2001	2085	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Chlamydomonas	platystigma			Cell-Motile	Cells/ml	0.4204	0.00074034	0.4204	0.00013994
Dam	8/8/2001	3043	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Rhodomonas	minuta	nannoplantica		Cell-Motile	Cells/ml	254.5178	0.44821458	254.5178	0.08472429
Dam	8/8/2001	4285	Cyanophyta	Cyanophyceae	Chroococcales	Chroococcaceae				>1 um spherical	Cell-Nonmotile	Cells/ml	67.8714	0.11952387	67.8714	0.02259314
Dam	8/8/2001	1446	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Stephanodiscaceae	Stephanodiscus	parvus	1		Cell-Nonmotile	Cells/ml	16.9679	0.02988105	16.9679	0.0056483
Dam	8/8/2001	2683	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae				2-9.9 um spherical	Cell-Nonmotile	Cells/ml	33.9357	0.05976193	33.9357	0.01129657
Dam	8/8/2001	1298	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Stephanodiscaceae	Stephanodiscus	parvus			Cell-Nonmotile	Cells/ml	67.8714	0.11952387	67.8714	0.02259314
Dam	8/8/2001	8308	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmales	Scenedesmus	serratus			Colonial-Nonmotile	Cells/ml	16.9679	0.02988105	33.9357	0.01129657
Dam	8/8/2001	2492	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae	Schroederia	setigera			Cell-Nonmotile	Cells/ml	0.4204	0.00074034	0.4204	0.00013994
Fenstermaker	8/8/2001	3015	Chlorophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Pyramichlamys	dissecta			Cell-Motile	Cells/ml	155.5359	0.03362825	155.5359	0.01138381
Fenstermaker	8/8/2001	8101	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Pyramichlamys	dissecta			Cell-Motile	Cells/ml	28.0245	0.00605915	28.0245	0.00205114
Fenstermaker	8/8/2001	2363	Chlorophyta	Chlorophyceae	Chlorococcales	Oocystaceae	Oocystis	parva			Colonial-Nonmotile	Cells/ml	19.6171	0.00424139	106.4936	0.00779436
Fenstermaker	8/8/2001	4041	Cyanophyta	Cyanophyceae	Nostocales	Nostocaceae	Aphanizomenon	flos-aquae			Multi-Filament	Cells/ml	281.6462	0.06089443	8551.8199	0.6258151
Fenstermaker	8/8/2001	1432	Bacillariophyta	Coscinodiscophyceae	Aulacoseirales	Aulacoseiraceae	Aulacoseira	granulata			Filament	Cells/ml	71.4625	0.01545083	365.2518	0.0267331
Fenstermaker	8/8/2001	2211	Chlorophyta	Chlorophyceae	Chlorococcales	Dictyosphaeriaceae	Dictyosphaerium	pulchellum			Colonial-Nonmotile	Cells/ml	11.2098	0.00242366	89.6784	0.00656364
Fenstermaker	8/8/2001	2082	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Chlamydomonas	globosa			Cell-Motile	Cells/ml	7.0061	0.00151478	7.0061	0.00051278
Fenstermaker	8/8/2001	6034	Pyrrhophyta	Dinophyceae	Gymnodinales	Gymnodiniaceae	Gymnodinium	sp. 3			Cell-Motile	Cells/ml	4.2037	0.00090888	4.2037	0.00030767
Fenstermaker	8/8/2001	3069	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	rostratiformis			Cell-Motile	Cells/ml	5.6049	0.00121183	5.6049	0.00041023
Fenstermaker	8/8/2001	9504	Bacillariophyta	Fragilariophyceae	Fragilariales	Fragilariaceae	Synedra	tenera			Cell-Nonmotile	Cells/ml	2.8024	0.0006059	2.8024	0.00020511
Fenstermaker	8/8/2001	9506	Bacillariophyta	Fragilariophyceae	Fragilariales	Fragilariaceae	Synedra	ulna	ulna		Cell-Nonmotile	Cells/ml	2.8024	0.0006059	2.8024	0.00020511
Fenstermaker	8/8/2001	2641	Chlorophyta	Chlorophyceae	Tetrasporales	Palmeriellidaceae	Sphaerocystis	schroeteri			Colonial-Nonmotile	Cells/ml	7.0061	0.00151478	42.0367	0.0030767
Fenstermaker	8/8/2001	4052	Cyanophyta	Cyanophyceae	Chroococcales	Chroococcaceae	Aphanocapsa	koordersi			Colonial-Nonmotile	Cells/ml	1.4012	0.00030295	42.0367	0.0030767
Fenstermaker	8/8/2001	2331	Chlorophyta	Chlorophyceae	Chlorococcales	Micractinaceae	Micractinium	pusillum			Colonial-Nonmotile	Cells/ml	7.0061	0.00151478	63.0551	0.00461506
Fenstermaker	8/8/2001	2021	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmales	Actinastrum	hantzschii			Cell-Nonmotile	Cells/ml	5.6049	0.00121183	39.2343	0.00287159
Fenstermaker	8/8/2001	1180	Chrysophyta	Chrysophyceae	Ochromonadales	Synuraeae	Mallomonas				Cell-Motile	Cells/ml	5.6049	0.00121183	5.6049	0.00041023
Fenstermaker	8/8/2001	1430	Bacillariophyta	Coscinodiscophyceae	Aulacoseirales	Aulacoseiraceae	Aulacoseira				Filament	Cells/ml	1.4012	0.00030295	8.7577	0.00064098
Fenstermaker	8/8/2001	2085	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Chlamydomonas	platystigma			Cell-Motile	Cells/ml	2.8024	0.0006059	2.8024	0.00020511
Fenstermaker	8/8/2001	1338	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Stephanodiscaceae	Stephanodiscus	parvus			Cell-Nonmotile	Cells/ml	2070.078	0.44756604	2070.078	0.1515108
Fenstermaker	8/8/2001	3043	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Rhodomonas	minuta	nannoplantica		Cell-Motile	Cells/ml	916.264	0.19810448	916.264	0.06706215
Fenstermaker	8/8/2001	8041	Chlorophyta	Chlorophyceae	Chlorococcales	Oocystaceae	Monoraphidium	capricornutum			Cell-Nonmotile	Cells/ml	33.9357	0.0073372	33.9357	0.00248378
Fenstermaker	8/8/2001	1222	Bacillariophyta	Bacillariophyceae	Bacillariales	Bacillariaceae	Nitzschia	gracilis			Cell-Motile	Cells/ml	33.9357	0.0073372	33.9357	0.00248378
Fenstermaker	8/8/2001	1296	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Stephanodiscaceae	Stephanodiscus	hantzschii			Cell-Nonmotile	Cells/ml	203.6142	0.04402321	203.6142	0.0149027
Fenstermaker	8/8/2001	9123	Bacillariophyta	Bacillariophyceae	Bacillariales	Bacillariaceae	Nitzschia	pallida			Cell-Motile	Cells/ml	33.9357	0.0073372	33.9357	0.00248378
Fenstermaker	8/8/2001	2561	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmales	Tetrahymena	stauronegmaeformis			Colonial-Nonmotile	Cells/ml	33.9357	0.0073372	135.7428	0.00993513
Fenstermaker	8/8/2001	2884	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmales	Scenedesmus	quadricauda			Colonial-Nonmotile	Cells/ml	33.9357	0.0073372	67.8714	0.00496757
Fenstermaker	8/8/2001	2131	Chrysophyta	Chrysophyceae	Ochromonadales	Ochromonadaceae	Ekenia	subaequalata			Cell-Motile	Cells/ml	67.8714	0.0146744	67.8714	0.00496757
Fenstermaker	8/8/2001	2911	Chlorophyta	Chlorophyceae	Ulotrichales	Ulotrichaceae	Stichococcus	bacillans			Colonial-Nonmotile	Cells/ml	237.5499	0.05136042	237.5499	0.01738648
Fenstermaker	8/8/2001	4285	Cyanophyta	Cyanophyceae	Chroococcales	Chroococcaceae				>1 um spherical	Cell-Nonmotile	Cells/ml	101.8071	0.02201161	101.8071	0.00745135
Fenstermaker	8/8/2001	2683	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae				2-9.9 um spherical	Cell-Nonmotile	Cells/ml	237.5499	0.05136042	237.5499	0.01738648
Little Hole Draw	6/20/2001	3069	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	rostratiformis			Cell-Motile	Cells/ml	87.6766	0.02275403	87.6766	0.01692747
Little Hole Draw	6/20/2001	3043	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Rhodomonas	minuta	nannoplantica		Cell-Motile	Cells/ml	666.3424	0.17293067	666.3424	0.12864883
Little Hole Draw	6/20/2001	3065	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	gracilis			Cell-Motile	Cells/ml	17.5353	0.0045508	17.5353	0.00338549
Little Hole Draw	6/20/2001	2491	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae	Schroederia	judayi			Cell-Nonmotile	Cells/ml	29.2255	0.00758467	29.2255	0.00564248
Little Hole Draw	6/20/2001	1298	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Stephanodiscaceae	Stephanodiscus	parvus			Cell-Nonmotile	Cells/ml	37.9932	0.00986008	37.9932	0.00733524
Little Hole Draw	6/20/2001	2085	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Chlamydomonas	platystigma			Cell-Motile	Cells/ml	70.1413	0.01820323	70.1413	0.01354198
Little Hole Draw	6/20/2001	6034	Pyrrhophyta	Dinophyceae	Gymnodinales	Gymnodiniaceae	Gymnodinium	sp. 3			Cell-Motile	Cells/ml	2.9226	0.00075848	2.9226	0.00056426
Little Hole Draw	6/20/2001	10220	Cyanophyta	Cyanophyceae	Nostocales	Nostocaceae	Anabaena	augustalis			Complex-Filament	Cells/ml	52.606	0.01365243	1238.6341	0.23913956
Little Hole Draw	6/20/2001	2082	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Chlamydomonas	globosa			Cell-Motile	Cells/ml	14.6128	0.00379235	14.6128	0.00282125
Little Hole Draw	6/20/2001	2492	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae	Schroederia	setigera			Cell-Nonmotile	Cells/ml	92.5988	0.02403145	92.5988	0.01787779
Little Hole Draw	6/20/2001	1021	Bacillariophyta	Fragilariophyceae	Fragilariales	Fragilariaceae	Asterionella	formosa			Colonial-Nonmotile	Cells/ml	5.8451	0.00151693	61.3736	0.01184923
Little Hole Draw	6/20/2001	101930	Chlorophyta	Chlorophyceae	Ulotrichales	Ulotrichaceae	Geminella	interrupta			Filament	Cells/ml	2.9226	0.00075848	87.6766	0.01692747
Little Hole Draw	6/20/2001	1152	Bacillariophyta	Fragilariophyceae	Fragilariales	Fragilariaceae	Fragilaria	crotonensis			Lateral-Filament	Cells/ml	104.1737	0.02703539	104.1737	0.02011252
Little Hole Draw	6/20/2001	1328	Bacillariophyta	Fragilariophyceae	Fragilariales	Fragilariaceae	Synedra	cyelopum			Cell-Nonmotile	Cells/ml	8.7677	0.00227541	8.7677	0.00169275
Little Hole Draw	6/20/2001	1153	Bacillariophyta	Fragilariophyceae	Fragilariales	Fragilariaceae	Fragilaria	capucina			Lateral-Filament	Cells/ml	2.9226	0.00075848	2.9226	0.00056426
Little Hole Draw	6/20/2001	1296	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Stephanodiscaceae	Stephanodiscus	hantzschii			Cell-Nonmotile	Cells/ml	8.7677	0.00227541	8.7677	0.00169275
Little Hole Draw	6/20/2001	2840	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Lobomonas				Cell-Motile	Cells/ml	8.7677	0.00227541	8.7677	0.00169275
Little Hole Draw	6/20/2001	3015	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	erosa			Cell-Motile	Cells/ml	35.0707	0.00910163	35.0707	0.006771
Little Hole Draw	6/20/2001	4285	Cyanophyta	Cyanophyceae	Chroococcales	Chroococcaceae				>1 um spherical	Cell-Nonmotile	Cells/ml	2534.893	0.65786109	2534.893	0.48940457
Little Hole Draw	6/20/2001	1446	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Stephanodiscaceae	Stephanodiscus	parvus	1		Cell-Nonmotile	Cells/ml	69.4491	0.01802359	69.4491	0.01340834
Little Hole Draw	7/3/2001	1152	Bacillariophyta	Fragilariophyceae	Fragilariales	Fragilariaceae	Fragilaria	crotonensis			Lateral-Filament	Cells/ml	18.2159	0.00987049	337.8234	0.10157648
Little Hole Draw	7/3/2001	3015	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	erosa			Cell-Motile	Cells/ml	96.6845	0.02538959	96.6845	0.02907102
Little Hole Draw	7/3/2001	3069	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	rostratiformis			Cell-Motile	Cells/ml	44.8392	0.02429663	44.8392	0.01348222
Little Hole Draw	7/3/2001	2369	Chlorophyta	Chlorophyceae	Chlorococcales	Oocystaceae	Oocystis	lacustris			Colonial-Nonmotile	Cells/ml	2.1018	0.00113888	11.2097	0.00337052
Little Hole Draw	7/3/2001	1434	Bacillariophyta	Coscinodiscophyceae	Aulacoseirales	Aulacoseiraceae	Aulacoseira	italica			Filament	Cells/ml	94.5827	0.05125071	650.2559	0.19551844
Little Hole Draw	7/3/2001	8011	Chlorophyta	Chlorophyceae	Chlorococcales	Actinodiscaceae	Deasonia	Gigantica			Cell-Nonmotile	Cells/ml	2.1018	0.00113888	2.1018	0.00063197
Little Hole Draw	7/3/2001	10220	Cyanophyta	Cyanophyceae	Nostocales	Nostocaceae	Anabaena	augustalis			Complex-Filament	Cells/ml	7.0061	0.00379633	386.738	0.11628408
Little Hole Draw	7/3/2001	2641	Chlorophyta	Chlorophyceae	Tetrasporales	Palmeriellidaceae	Sphaerocystis	schroeteri								

American Falls Subbasin Assessment and TMDL

July 2004

Table B-6. DEQ hourly sampling data in American Falls Reservoir near the dam from 4 pm, 18 July, to 3 pm, 19 July, 2002. Temp = temperature, Cond = conductivity, DO = dissolved oxygen, Turb = turbidity.

Depth (meters)	Temp (°C)	Cond (uS/cm)	DO - % saturation	DO (mg/l)	pH	Turb (NTU)	Temp (°C)	Cond (uS/cm)	DO - % saturation	DO (mg/l)	pH	Turb (NTU)	Temp (°C)	Cond (uS/cm)	DO - % saturation	DO (mg/l)	pH	Turb (NTU)	Temp (°C)	Cond (uS/cm)	DO - % saturation	DO (mg/l)	pH	Turb (NTU)
1600						1700						1800						1900						
0.3	24.13	465	107.5	9.02	8.76	0.0	24.18	464	108.7	9.11	8.79	0	24.17	464	110	9.22	8.8	0.9	24.33	464	113.2	9.46	8.8	0.7
1	24.14	465	107.4	9.01	8.77	0.5	24.19	464	108.7	9.11	8.79	2.1	24.2	464	110.1	9.22	8.81	0.3	24.32	464	112.8	9.43	8.8	4
2	24.14	465	107.5	9.02	8.76	5.0	24.19	464	108.8	9.12	8.79	0	24.2	464	109	9.13	8.8	2.5	24.29	464	111	9.28	8.8	0.5
3	24.14	465	107.5	9.01	8.76	0.0	24.19	464	108.6	9.1	8.78	0	24.2	464	109.6	9.18	8.8	0.2	24.27	464	110.8	9.27	8.8	10
4	24.14	465	106.8	8.96	8.76	0.6	24.18	464	108	9.05	8.78	3	24.2	465	108.7	9.11	8.8	2	24.25	464	109.8	9.19	8.8	0
5	24.13	465	107.2	8.99	8.76	0.0	24.17	465	107.1	8.98	8.77	0	24.2	464	108.9	9.12	8.79	4	24.2	464	106.8	8.95	8.8	0
6	24.13	465	107.1	8.98	8.75	1.0	24.15	465	106.2	8.9	8.77	0	24.17	464	107.4	9	8.78	2.9	24.1	465	103.1	8.66	8.8	0
7	23.93	466	99.1	8.35	8.71	0.0	24.01	465	101.6	8.54	8.74	0	23.85	466	94.7	7.98	8.71	0	23.6	467	86.7	7.34	8.7	0
8	23.71	467	89.3	7.55	8.65	0.0	23.68	467	88.3	7.46	8.68	0	23.49	468	79.6	6.76	8.63	0	23.34	469	74.5	6.34	8.6	0
9	23.40	469	79.1	6.72	8.61	0.0	23.32	469	72.5	6.17	8.59	0	23.15	470	71.3	6.09	8.57	0	23.2	469	74.5	6.36	8.6	0
10	23.09	469	73.8	6.31	8.56	0.0	23.16	470	71.6	6.12	8.55	0	23.07	470	70.8	6.06	8.56	0	23.11	469	71.1	6.08	8.6	0
11	23.03	470	70.8	6.07	8.54	0.0	23.01	470	70.3	6.02	8.51	0	23.03	470	69	5.91	8.54	0	22.91	470	65.7	5.64	8.6	0
12																								
2000						2100						2200						2300						
0.3	24.32	463	115.4	9.65	8.8	1.2	24.26	463	112.5	9.41	8.82	3	24.3	464	110.6	9.25	8.82	1.7	24.2	465	109.2	9.15	8.8	6.8
1	24.35	464	115.4	9.64	8.8	2.5	24.33	464	113.3	9.47	8.83	7.4	24.29	464	110.7	9.26	8.81	4	24.24	465	108.4	9.07	8.8	0.9
2	24.33	464	113.4	9.48	8.8	1.5	24.32	464	112.8	9.43	8.82	3.2	24.3	464	110.1	9.21	8.81	2.5	24.22	465	107.2	8.97	8.8	0
3	24.32	464	113.3	9.47	8.8	2.2	24.31	464	111.1	9.29	8.81	0	24.23	465	107.6	9.01	8.79	0	24.21	465	107	8.96	8.8	0.1
4	24.3	464	112.8	9.43	8.8	2.5	24.26	464	109.1	9.13	8.79	0	24.04	465	100	8.41	8.75	0	24.11	465	102.2	8.57	8.8	0
5	24.24	464	109.9	9.2	8.8	1.4	23.85	466	95.3	8.03	8.72	0	23.97	466	97.9	8.23	8.73	0	24.05	466	99.1	8.34	8.7	0
6	23.69	467	90.4	7.65	8.7	0	23.81	466	93.8	7.92	8.71	0	23.94	466	96.1	8.09	8.72	0	23.97	466	96.2	8.09	8.7	0
7	23.59	467	87.7	7.43	8.7	0	23.64	466	89.2	7.55	8.68	0	23.68	466	89.1	7.54	8.68	0	23.69	467	88.8	7.51	8.7	0
8	23.36	468	80.3	6.83	8.6	0	23.48	467	86.7	7.36	8.66	0	23.55	467	87.6	7.43	8.66	0	23.25	468	77.9	6.64	8.6	0
9	23.32	468	78.7	6.71	8.6	0	23.28	468	79.2	6.75	8.61	0	23.2	468	76.1	6.5	8.58	0	23	469	70.7	6.05	8.5	0
10	23.02	469	71.3	6.11	8.6	0	22.97	469	70.4	6.03	8.53	0	22.83	471	63	5.42	8.47	0	22.89	470	66.5	5.71	8.5	0
11	22.73	472	56.7	4.89	8.48	0	22.52	474	47.4	4.1	8.38	0	22.58	472	53.8	4.64	8.41	0	22.59	472	55.4	4.78	8.4	0
12																								
2400						100						200						300						
0.3	24.14	464	108.1	9.06	8.8	0.5	24.13	465	107	8.98	8.81	0.3	24.1	465	106.6	8.95	8.81	1.5	24.03	465	105	8.82	8.8	2.8
1	24.19	465	107.5	9.01	8.8	1	24.14	465	106.8	8.96	8.81	0	24.1	465	106.8	8.97	8.81	0.9	24.06	465	105.1	8.83	8.8	1.9
2	24.17	465	106.4	8.91	8.8	0	24.14	464	106.9	8.97	8.81	3.2	24.11	465	106.5	8.94	8.81	0	24.06	465	104.9	8.81	8.8	2.1
3	24.15	465	104	8.72	8.8	0	24.14	465	107	8.98	8.81	3.3	24.1	465	106.4	8.93	8.8	0.7	24.07	465	104.6	8.78	8.8	1
4	24.13	465	103.1	8.65	8.8	0	24.14	465	106	8.89	8.79	1.3	23.9	466	94.5	7.96	8.75	0	24.06	465	103.6	8.7	8.8	2.5
5	24.07	465	99.3	8.34	8.7	0	23.72	467	90	7.61	8.7	0	23.68	467	88.7	7.51	8.7	0	24.03	466	99.1	8.34	8.8	0
6	23.75	467	90.6	7.66	8.7	0	23.53	467	84.8	7.2	8.69	0	23.63	467	88	7.46	8.7	0	23.7	467	89.2	7.55	8.7	0
7	23.38	468	81.2	6.91	8.7	0	23.52	467	83.6	7.09	8.68	0	23.6	467	86.9	7.36	8.69	0	23.54	468	82	6.95	8.7	0
8	23.37	468	80.9	6.89	8.6	0	23.48	468	79.9	6.79	8.65	0	23.39	469	77.3	6.58	8.63	0	23.29	469	79.2	6.74	8.6	0
9	23.2	469	75.6	6.45	8.6	0	23.24	468	77.2	6.59	8.62	0	23.07	469	72	6.16	8.58	0	23.16	469	74.4	6.35	8.6	0
10	23	469	68.5	5.87	8.5	0	22.98	470	68.2	5.85	8.55	0	23	470	70.2	6.02	8.56	0	23.06	469	72	6.16	8.6	0
11	22.48	473	48.4	4.19	8.4	0	22.69	471	58.2	5.01	8.47	0	22.86	471	64.3	5.53	8.52	0	22.48	474	46.2	3.97	8.4	0
12							22.59	472	52.0	4.49	8.43	0.0												

Table B-6. Continued

Table D-1. Continued																								
Depth (meters)	Temp (°C)	Cond (uS/cm)	DO - % saturation	DO (mg/l)	pH	Turb (NTU)	Temp (°C)	Cond (uS/cm)	DO - % saturation	DO (mg/l)	pH	Turb (NTU)	Temp (°C)	Cond (uS/cm)	DO - % saturation	DO (mg/l)	pH	Turb (NTU)	Temp (°C)	Cond (uS/cm)	DO - % saturation	DO (mg/l)	pH	Turb (NTU)
	400						500						600						700					
0.3	24.02	465	104.1	8.75	8.8	2.1	23.97	466	103.1	8.68	8.8	0	23.92	466	102	8.59	8.8	0.4	23.92	466	101.4	8.54	8.8	0
1	24.02	465	104	8.74	8.8	0	23.98	465	103.1	8.67	8.8	1.5	23.95	466	101.9	8.57	8.8	0.1	23.92	466	101.3	8.53	8.8	0
2	24.02	465	103.7	8.72	8.8	0	23.99	465	102.9	8.65	8.8	0	23.95	466	101.8	8.57	8.8	0	23.92	466	101	8.5	8.8	1.2
3	24.03	465	103.7	8.72	8.8	0	23.99	465	102.8	8.64	8.8	0	23.94	466	101.9	8.58	8.8	1.1	23.92	466	100.3	8.45	8.8	1.9
4	24.03	465	103.2	8.67	8.8	0.6	23.99	465	102.7	8.63	8.79	0	23.95	466	101.9	8.58	8.79	0	23.92	466	98.9	8.33	8.8	0
5	23.9	466	96.4	8.12	8.8	0	23.98	465	102.1	8.59	8.77	0.4	23.94	466	101.2	8.52	8.79	0.3	23.82	467	92.8	7.83	8.7	0
6	23.64	468	84.4	7.14	8.7	0	23.69	467	87.4	7.4	8.7	0	23.8	467	92.4	7.79	8.74	0	23.57	468	83.7	7.09	8.7	0
7	23.54	468	83.2	7.05	8.7	0	23.38	468	79.2	6.73	8.65	0	23.39	469	78.6	6.68	8.66	0	23.33	469	76.8	6.55	8.6	0
8	23.26	468	77.7	6.63	8.6	0	23.23	469	76.6	6.53	8.62	0	23.08	470	71.9	6.15	8.59	0	23.09	470	70.1	5.99	8.6	0
9	23.21	468	77.2	6.59	8.6	0	23.13	469	73.8	6.31	8.59	0	23.01	470	68.5	5.87	8.56	0	22.93	471	65.9	5.65	8.5	0
10	22.98	470	69.1	5.92	8.6	0	22.98	470	68.1	5.84	8.54	0	22.54	473	50.7	4.38	8.43	0	22.65	472	56.3	4.86	8.5	0
11	22.46	474	45.9	3.98	8.4	0	22.34	474	43.3	3.76	8.36	0	22.38	474	45.1	3.91	8.38	0	22.36	474	46.5	4.04	8.4	0
12																								
	800						900						1000						1100					
0.3	23.86	467	101.6	8.56	8.8	0	23.91	466	104.2	8.77	8.81	0	24.11	466	106.9	8.97	8.84	0	24.38	465	107.8	9	8.8	0
1	23.88	466	101.6	8.56	8.8	0	23.91	466	104	8.76	8.8	0	24	466	107	8.99	8.84	0	24.04	465	108.6	9.13	8.8	0
2	23.88	466	100.8	8.5	8.8	0.7	23.91	466	103.1	8.69	8.8	0	23.94	466	105.7	8.89	8.84	0	23.93	465	106.6	8.98	8.8	0
3	23.88	466	100.8	8.49	8.8	0	23.89	466	101.4	8.55	8.8	0	23.89	466	103.9	8.75	8.82	0	23.87	465	103.3	8.73	8.8	0
4	23.87	466	101.3	8.54	8.8	0	23.88	466	99.9	8.42	8.78	0	23.84	466	101.2	8.54	8.8	0	23.8	466	99	8.36	8.8	0
5	23.86	466	99.2	8.36	8.8	0	23.86	467	97.5	8.25	8.77	0	23.74	468	92.6	7.82	8.74	0	23.68	467	89.1	7.55	8.7	0
6	23.55	469	82.9	7.02	8.7	0	23.61	468	84.6	7.16	8.68	0	23.55	469	83	7.05	8.68	0	23.54	468	82.4	6.98	8.7	0
7	23.19	470	73.7	6.28	8.6	0	23.24	470	73.7	6.27	8.61	0	23.24	470	73.6	6.31	8.62	0	23.36	469	77.9	6.64	8.7	0
8	23.08	471	69.3	5.93	8.6	0	23.02	471	67.2	5.75	8.56	0	23.02	471	67.1	5.74	8.57	0	23.05	470	68.7	5.87	8.6	0
9	22.98	471	66.6	5.71	8.6	0	22.98	471	66.2	5.69	8.54	0	22.98	471	65.1	5.59	8.54	0	23.02	470	68	5.83	8.6	0
10	22.73	472	55.6	4.78	8.5	0	22.8	472	59.6	5.12	8.47	0	22.71	473	56.9	4.89	8.47	0	22.95	471	65	5.58	8.5	0
11	22.35	474	44.2	3.82	8.4	0	22.4	474	47.1	4.06	8.39	0	22.59	473	52.8	4.53	8.44	0	22.6	473	54.9	4.75	8.5	0
12																								
	1200						1300						1400						1500					
0.3	24.65	465	108.9	9.06	8.8	0	24.38	465	112.5	9.4	8.84	0	24.74	464	116.8	9.7	8.86	0	24.71	465	115	9.53	8.9	0
1	24.36	465	112.5	9.37	8.8	0	24.37	465	112.4	9.39	8.84	0	24.63	464	117.3	9.77	8.86	0	24.72	465	115.2	9.55	8.9	0
2	23.97	464	112	9.42	8.8	0	24.05	464	115.5	9.7	8.85	0	24.36	464	117.1	9.78	8.86	0	24.7	464	116.1	9.66	8.9	0
3	23.88	464	107.7	9.07	8.8	0	23.92	464	112.2	9.47	8.83	1.5	24.13	464	116.7	9.78	8.85	2.3	24.15	464	117.6	9.88	8.9	0
4	23.82	465	103.1	8.71	8.8	0	23.87	465	104.6	8.83	8.79	0	23.95	464	114.4	9.62	8.84	0	23.91	464	111	9.35	8.8	0
5	23.71	467	93	7.91	8.8	0	23.77	466	97.4	8.22	8.76	0	23.84	465	105.1	8.85	8.81	0	23.76	466	97.3	8.21	8.8	0
6	23.58	468	84.4	7.15	8.7	0	23.59	468	83.7	7.1	8.68	0	23.78	466	98.3	8.24	8.75	0	23.64	467	89.6	7.59	8.7	0
7	23.31	469	78.7	6.7	8.7	0	23.48	468	80.7	6.85	8.65	0	23.56	468	85.3	7.23	8.68	0	23.33	468	81.4	6.95	8.7	0
8	23.1	470	71.3	6.08	8.6	0	23.27	469	77.8	6.62	8.61	0	23.3	468	80.2	6.83	8.64	0	23.01	470	72.1	6.17	8.6	0
9	23.02	470	70.2	6.01	8.6	0	23.08	470	71.5	6.12	8.57	0	23.11	469	74.1	6.33	8.61	0	22.96	470	70.5	6.04	8.6	0
10	22.92	471	67.5	5.79	8.6	0	22.93	470	69.5	5.96	8.55	0	22.95	470	70.3	6.02	8.58	0	22.95	470	71	6.08	8.6	0
11	22.82	471	64.8	5.56	8.6	0	22.79	471	63.4	5.45	8.51	0	22.85	470	69.6	5.91	8.55	0	22.92	470	71.5	6.13	8.6	0
12																								

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